Canon

Windows

Communication Software for the Camera

EOS Utility

Ver. 2.4

1D Mk II N | 1Ds Mk II | 1D Mk II | 1Ds | 1D | 5D | 30D | 20D | 10D
REBELXTi | 400D | REBELXT | 350D | REBEL | 300D | D60 | D30

Instruction Manual

Content of this Instruction Manual

- EU is used for EOS Utility.
- Each camera model is displayed as an icon.
  Example: EOS DIGITAL REBEL XTi/400D DIGITAL
  → REBELXTi 400D
- displays the relevant camera model.
- In this manual, the windows used in the examples are from Windows XP.
- The 1D Mk II N 30D or REBELXTi 400D is used as an example for windows and parts displayed when the camera is connected.
- The selection sequence of menus is displayed in ▶ procedures.
  (Example: Select the [Window] menu ▶ [Main Window].)
- Square brackets are used to indicate items such as menu names, button names and window names that appear on the computer screen.
- Text inside < > indicates a camera switch name or icon, or a keyboard key name.
- ** indicates a reference page.
  Click to move to the relevant page.
- : Marks information that should be read before use.
- : Marks additional information you may find helpful.

Switching Between Pages

- Click on arrows on the bottom right of the screen.
  : next page
  : previous page
  : return to a page you had previously displayed
- Click on the chapter headings on the right side of the screen to switch to the contents page of that chapter. Also, click the item you want to read about on the table of contents to move to the relevant page.

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Introduction

EOS Utility (hereinafter EU) is software for communication with your EOS DIGITAL camera. By connecting the camera and computer with the cable provided with the camera, you can download to your computer images saved in the camera's memory card as well as set various camera settings or shoot remotely from EU on your computer.

Main Features of EU

From EU, you can control the camera remotely and perform the following main features.

- **Batch download to your computer images saved in the camera's memory card.**
  - You can also download to your computer only images you have selected.
- **Set various camera settings from your computer.**
- **Shoot remotely by controlling the camera from your computer.**
  - You can also shoot remotely by operating the camera's shutter button.
  - Preset a time allowing the camera to shoot automatically with timer shooting.
- **When downloading images or shooting remotely, view/check images with the linked Digital Photo Professional.**

System Requirements

OS	Windows Vista*1 Windows XP Professional/Home Edition*2 Windows 2000 Professional*3	
Computer	PC with one of the above OS preinstalled and a USB port as a standard feature or an OHCI-compliant IEEE1394 port (Upgraded machines not supported) .NET Framework 2.0 or later is required.*4	
CPU	Windows Vista	1.3GHz Pentium or higher
	Windows XP, 2000	750MHz Pentium or higher
RAM	Windows Vista	Minimum 512MB
	Windows XP, 2000	Minimum 256MB
Interface	Hi-Speed USB or IEEE1394	
Display	Screen resolution: 1024 × 768 pixels or more Color quality: Medium (16 bit) or more	

*1 Compatible with 32-bit/64-bit systems for all versions except Starter Edition

*2 Compatible with Service Pack 2 *3 Compatible with Service Pack 4

*4 .NET Framework is Microsoft software. It is installed together with EU.

Supported Cameras and Supported Images

Can be used for RAW and JPEG images shot with the cameras below.

EOS-1D Mark II N	EOS-1Ds Mark II	EOS-1D Mark II
EOS-1Ds	EOS-1D	EOS 5D
EOS 30D	EOS 20D	EOS 10D
EOS DIGITAL REBEL XTi/400D DIGITAL	EOS DIGITAL REBEL XT/350D DIGITAL	EOS DIGITAL REBEL/300D DIGITAL
EOS D60	EOS D30	——

Cameras indicated with in the table cannot be used with Windows Vista.

Cameras other than those indicated with in the table cannot be used with a Windows Vista 64-bit system.

Contents at a Glance

1 Downloading Images to your Computer



Basic operation such as preparing for downloading images to your computer (connecting your camera and computer), starting up EU, downloading images from your camera to your computer and exiting EU are explained here.

Preparing to Download Images

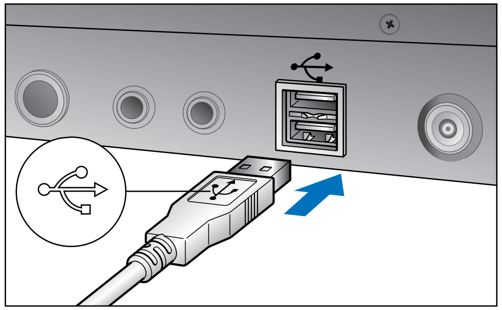
To download to your computer images shot with your camera, you will need to connect your camera and computer using the interface cable provided with your camera.
The connection process will vary depending on your camera model, so follow the connection instructions for your camera model below.

- Connecting the REBELXTi 400D and a Computer (Description on the right)
- Connecting a Camera with the [Communication] settings and a Computer (p.6)
  5D 30D 20D 10D REBELXT 350D REBEL 300D
- Connecting the 1D Mk II N 1Ds Mk II 1D Mk II and a Computer (p.7)
- Connecting the 1Ds 1D and a Computer (p.8)
- Connecting the D60 D30 and a Computer (p.9)

Connecting the REBEL XTi/400D and a Computer

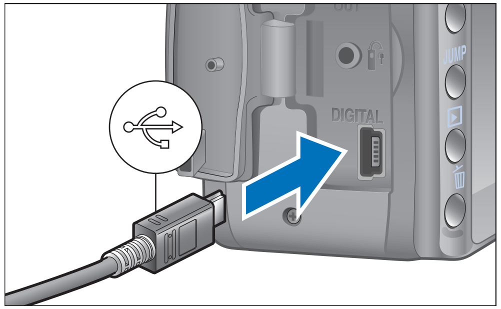
Connect the camera and computer using the interface cable provided with your camera.

1 Connect the large plug of the cable into the USB port of your computer.



- For the location and direction of the USB port, refer to the computer User's Manual.

2 Connect the small plug of the cable into the <DIGITAL> terminal on your camera.



- Connect with the < ⭠ > mark on the plug facing the front of the camera.
- Image downloading preparation is now complete. Continue with "Starting up EU" (p.9).

Introduction
Contents at a Glance
1 Downloading Images
2 Camera Settings
3 Remote Shooting
4 Preferences
Reference
Index

Connecting a Camera with the [Communication] Settings and a Computer

5D 30D 20D 10D REBELXT 350D REBEL 300D

Set the [Communication] settings on the camera's menu first, and then connect your camera and computer.

Setting the [Communication] Settings

For the camera and computer to be able to communicate, set the [Communication] setting on your camera's menu.

1 Set the camera's power switch to < ON >.

2 Set the camera's [Communication] settings.

- Set the [Communication] settings for your camera model as shown in the table below.

Camera	Menu	Setting
5D	[Communication]	[PC connect.]
30D	[Communication]	[Print/PC]
20D	[Communication]	[Normal]
10D	[Communication]	[Normal]
REBELXT 350D	[2 Communication]	[PC connection]
REBEL 300D	[2 Communication]	[Normal]

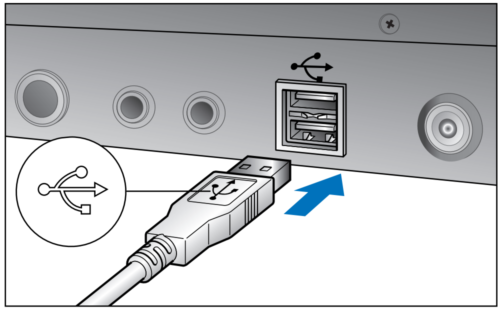
3 Set the camera's power switch to < OFF >.

Make sure you set the [Communication] settings without the camera and computer being connected; otherwise an error will occur.

Connecting the Camera and Computer

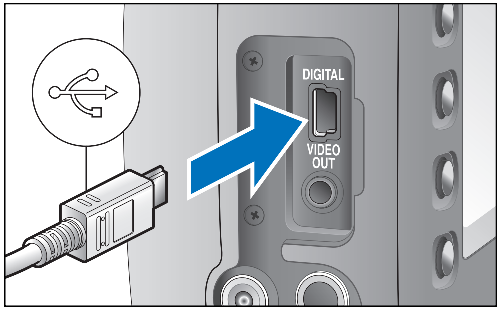
Connect the camera and computer using the interface cable provided with your camera.

1 Connect the large plug of the cable into the USB port of your computer.



- For the location and direction of the USB port, refer to the computer User's Manual.

2 Connect the small plug of the cable into the < DIGITAL > terminal on your camera.

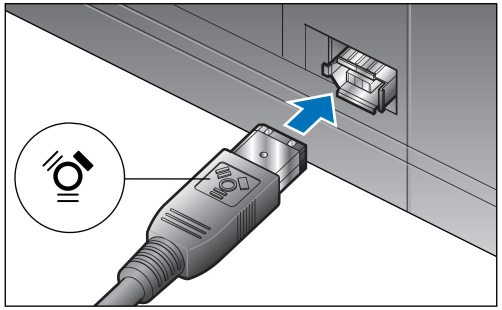


- Connect with the < ⭠ > mark on the plug facing the front of the camera.
- Image downloading preparation is now complete. Continue with "Starting up EU" (p.9).

Connecting the 1D Mk II N, 1Ds Mk II, 1D Mk II and a Computer

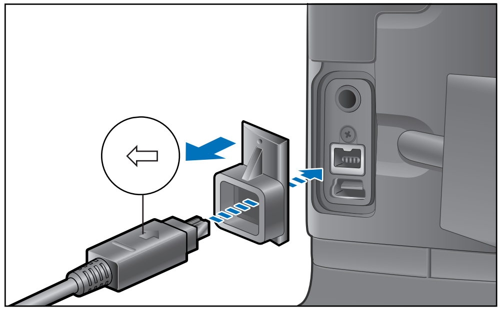
Attach the cable protector to the IEEE1394 interface cable (IFC-200D4) provided with your camera, and then connect the camera and computer.

1 Connect the plug of the cable with the < > mark into the computer's IEEE1394 port.



- For the location and direction of the IEEE1394 port, refer to the computer User's Manual.

2 Attach the cable protector to the plug with the < ⇦ > mark, and then connect to the < DIGITAL > terminal on your camera.



- Connect with the < ⇦ > mark on the plug facing the top of the camera.
- For cameras not provided with the cable protector, connect the plug directly to the camera.
- Image downloading preparation is now complete. Continue with "Starting up EU" (p.9).

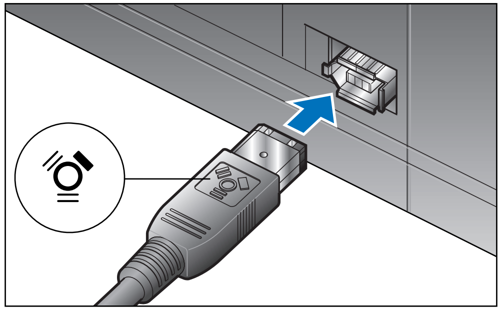
- When connecting the interface cable plug to the computer and camera, make sure you match the shape of the plug with the shape of the IEEE1394 port before connecting. The camera or computer may become damaged if connected incorrectly.
- Although you can use the USB interface cable (IFC-400PCU) provided with your camera to connect the camera and computer, EU communication will not be possible. Use the IEEE1394 interface cable (IFC-200D4).

If your computer has a 4-pin type IEEE1394 port, you will need to use a 4-pin – 4-pin type Canon interface cable (sold separately).

Connecting the 1Ds, 1D and a Computer

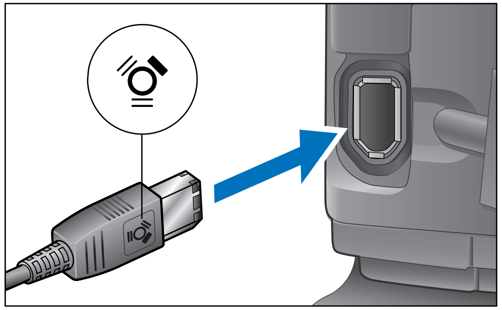
Connect the camera and computer with the IEEE1394 interface cable (IFC-450D6) provided with your camera.

1 Connect the cable's plug to the IEEE1394 port on the computer.



- Both plugs of the cable are the same, so connect either plug.
- For the location and direction of the IEEE1394 port, refer to the computer User's Manual.

2 Connect the cable's plug to the camera's < DIGITAL > terminal.



- Connect with the < [IEEE1394 mark] > mark on the plug facing the back of the camera.
- Both plugs of the cable are the same, so connect either plug.
- Image downloading preparation is now complete. Continue with "Starting up EU" (p.9).

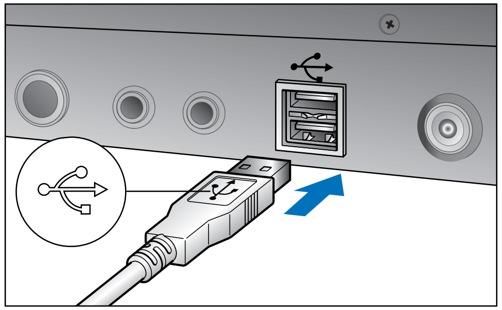
When connecting the interface cable plug to the computer and camera, make sure you match the shape of the plug with the shape of the IEEE1394 port before connecting. The camera or computer may become damaged if connected incorrectly.

If your computer has a 4-pin type IEEE1394 port, you will need to use a 4-pin – 6-pin type Canon interface cable (sold separately).

Connecting the D60, D30 and a Computer

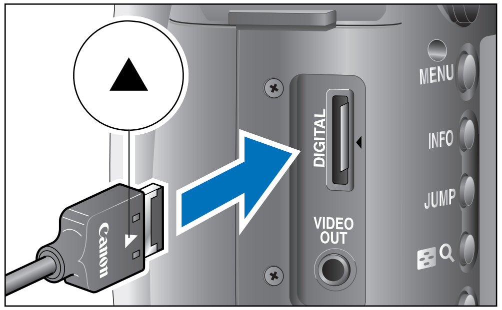
Connect the camera and computer with the interface cable provided with your camera.

1 Connect the plug of the cable with the < ⭠ > mark into the computer's USB port.



- For the location and direction of the USB port, refer to the computer User's Manual.

2 Connect the plug of the cable with the < ▲ > mark to the < DIGITAL > terminal on your camera.



- Connect with the < ▲ > mark on the plug facing the back of the camera.
- Image downloading preparation is now complete. Continue with "Starting up EU" (Description on the right).

Starting up EU

When the camera's power switch is set to < ON >, EU will start up, and the camera and computer will be able to communicate.
The start up process will vary depending on your camera model, so follow the start up instructions for your camera model below.

- Starting up EU with Cameras other than the 1D Series (p.10)

5D | 30D | 20D | 10D | REBELXTi | 400D | REBELXT | 350D | REBEL | 300D | D60 | D30

- Starting up EU with the 1D Series Cameras (p.11)

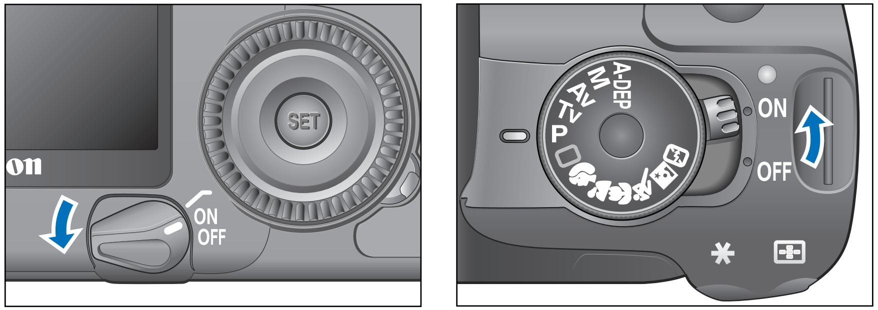
1D Mk II N | 1Ds Mk II | 1D Mk II | 1Ds | 1D

Starting up EU with Cameras other than the 1D Series

5D 30D 20D 10D REBELXTi 400D
REBELXT 350D REBEL 300D D60 D30

When the camera's power switch is set to < ON >, EU will start up automatically.

1 Set the camera's power switch to < ON >.

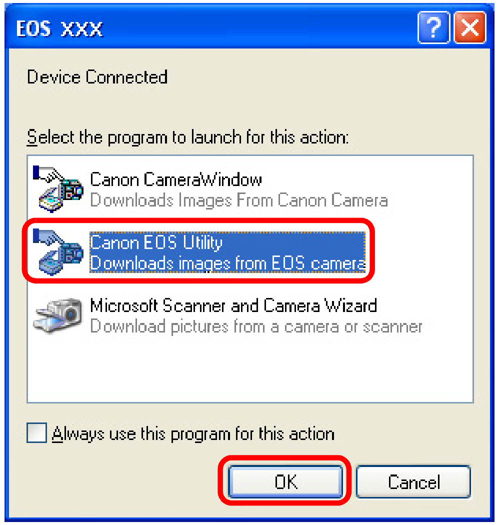




→ Communication between the camera and the computer begins and the above dialog box appears before the dialog box in step 2 is displayed.

→ With Windows 2000, a dialog box with a message such as [Found New Hardware] is displayed and then automatically disappears.

2 Select [Canon EOS Utility] and then click the [OK] button.



EU Main window



→ EU starts up, the main window appears, and your camera and computer can now communicate. Continue with "Batch Downloading Images to Your Computer" (p.12).

→ With Windows 2000, the [Event on device] dialog box appears. Select [Canon EOS Utility] and then click the [OK] button to start up EU.

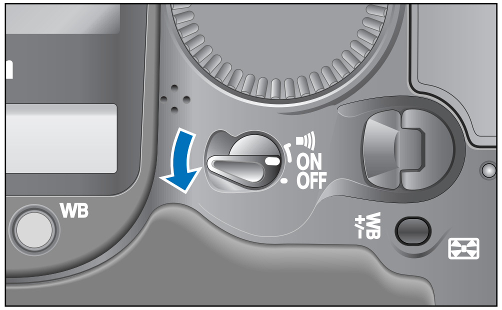
- This procedure is only necessary when connecting your camera and computer for the first time. From the next time you connect, EU will start up when you set your camera's power switch to < ON >.
- With the 30D REBELXTi 400D, the camera's LCD monitor blinks when EU starts up.
- With Windows Vista, if the window in step 2 is not displayed even when you set the camera's power switch to < ON >, double-click the [EOS Utility] icon on your desktop to start up EU.

Starting up EU with the 1D Series Cameras

1D Mk II N | 1Ds Mk II | 1D Mk II | 1Ds | 1D

When the camera's power switch is set to < ON >, EU will start up automatically.

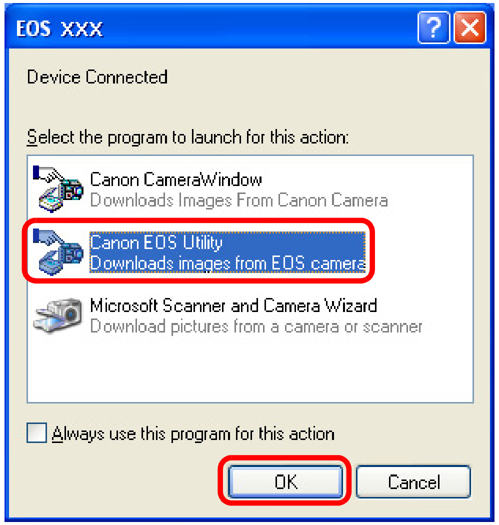
1 **Set the camera's power switch to < ON >.**



➜ Communication between the camera and the computer begins and the dialog box in step 2 is displayed.

➜ With Windows 2000, a dialog box with a message such as [Found New Hardware] may be displayed.

2 **Select [Canon EOS Utility] and then click the [OK] button.**



EU Main window



➜ EU starts up, the main window appears, and your camera and computer can now communicate. Continue with "Batch Downloading Images to Your Computer" (p.12).

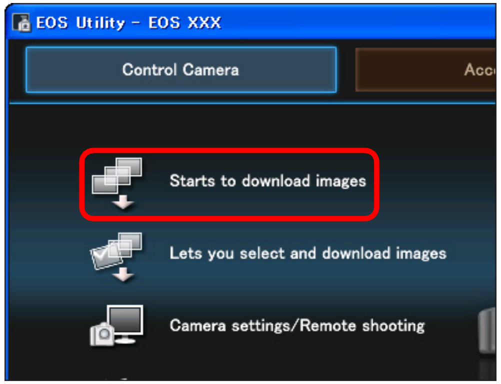
➜ With Windows 2000, the [Event on device] dialog box appears. Select [Canon EOS Utility] and then click the [OK] button to start up EU.

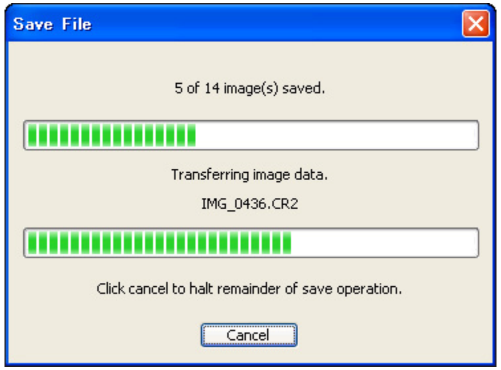
- This procedure is only necessary when connecting your camera and computer for the first time. From the next time you connect, EU will start up when you set your camera's power switch to < ON >.
- With Windows Vista, if the window in step 2 is not displayed even when you set the camera's power switch to < ON >, double-click the [EOS Utility] icon on your desktop to start up EU.

Batch Downloading Images to Your Computer

You can batch download to your computer all the images saved in your camera's memory card.
The downloaded images are sorted by date into folders and are then displayed in the main window of Digital Photo Professional (RAW image processing, viewing and editing software) (hereinafter DPP), which is linked to start up automatically, where you can check them immediately.

1 Click [Starts to download images].

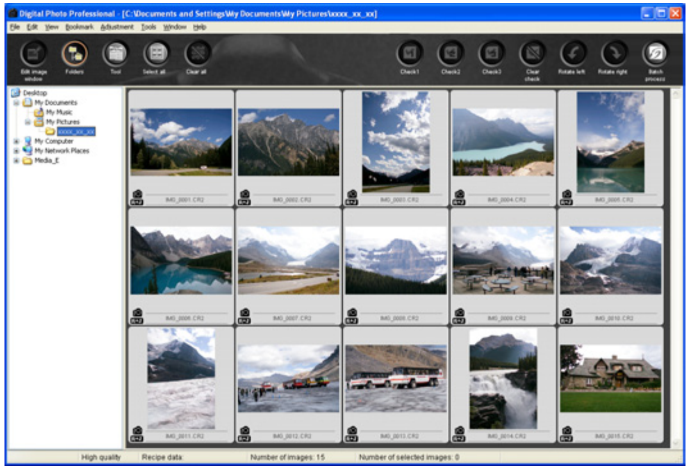




- ➜ The [Save File] dialog box appears and image downloading to your computer begins.
- ➜ The downloaded images are saved in the [My Pictures] folder.
- When all images have been downloaded, DPP starts up automatically and the downloaded images are displayed in DPP's main window.

2 Check the downloaded images.

DPP Main window



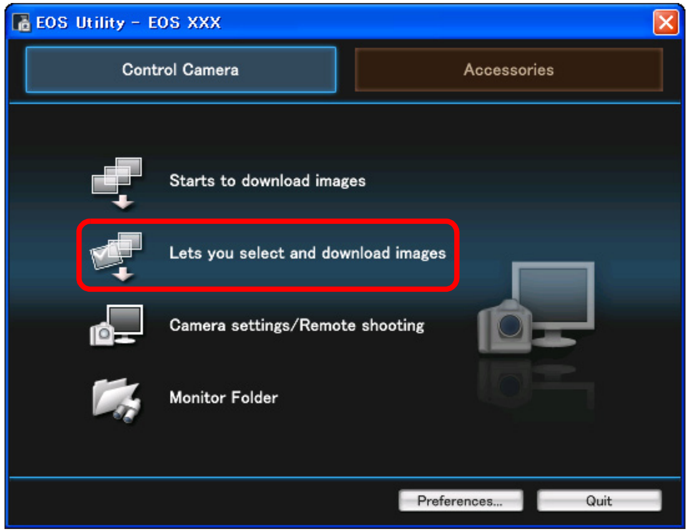
- Check the downloaded images in DPP.
  For details on using DPP, refer to the "Digital Photo Professional Instruction Manual" (PDF electronic manual).
- Continue with "Exiting EU" (p.15).

- When you download images, you can change the software that starts up from DPP to ZoomBrowser EX or another software (p.48).
- You can change images downloaded and the save destination (p.47, p.48).

Downloading Selected Images to Your Computer

From the images saved in your camera's memory card, you can select the ones you want and download them to your computer.

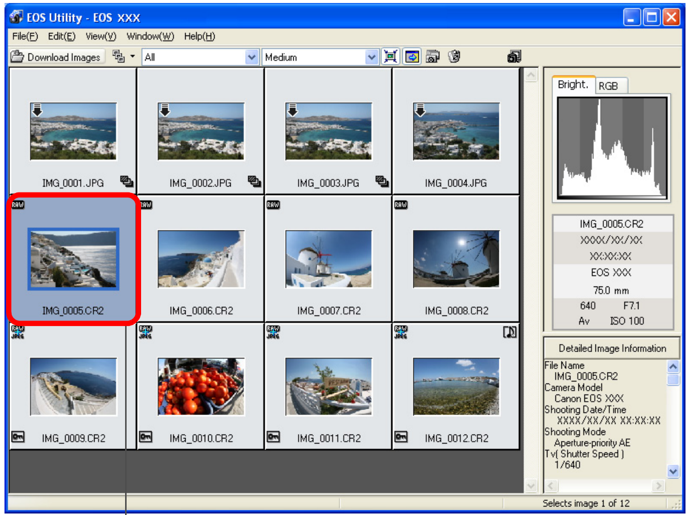
1 Click [Lets you select and download images].



➜ A viewer window appears and the images in the memory card are displayed.

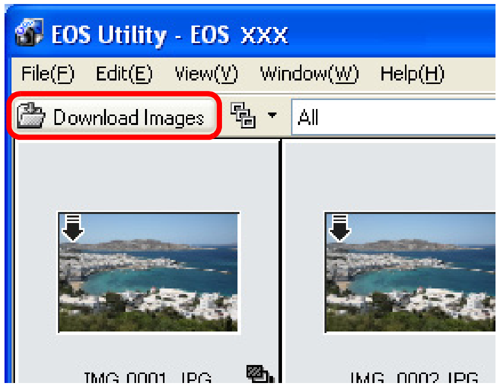
2 View and click to select the images to download.

Viewer window



- To select multiple images, click the images to download while holding down the < Ctrl > key.
- To select sequential images, click the first image and then hold down the < Shift > key and click the last image.

3 Click the [Download Images] button.

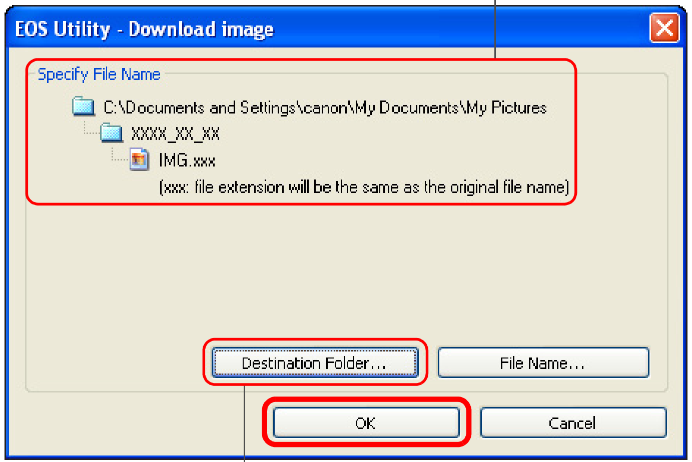


➜ The [Download image] dialog box appears.

4 Specify the save destination and then click the [OK] button.

Displays the save destination on the computer

Download image dialog box



Specify the save destination

→ The [Save File] dialog box appears and image downloading to your computer begins.

- When all images have been downloaded, DPP starts up automatically and the downloaded images are displayed.
- To switch to the main window, select the [Window] menu ▶ [Main Window].

For a list of viewer window functions, refer to p.57.

Downloading Images with a Card Reader

For users with a third-party card reader, you can also download to your computer images stored in a memory card using the card reader. However, EU does not support image downloading using a card reader. For this reason, when downloading images using a card reader, use one of the following 3 procedures.

Downloading Images Using Digital Photo Professional

You can use DPP to download to your computer shot images in a memory card inside a third-party card reader connected to your computer.
For detailed instructions, refer to "Downloading Images Using Your Card Reader" in the "Digital Photo Professional Instruction Manual" (PDF electronic manual).

Downloading Images Using ZoomBrowser EX

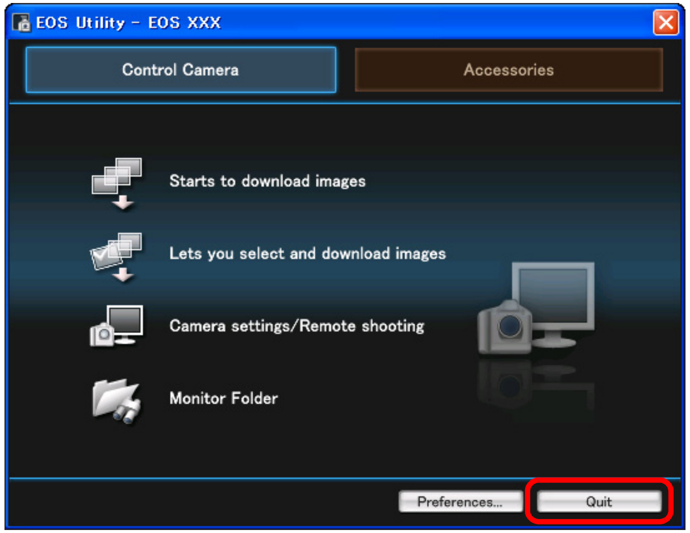
You can use ZoomBrowser EX to download to your computer shot images in a memory card inside a third-party card reader connected to your computer.
For detailed instructions, refer to "Downloading Images Using Your Card Reader" in the "ZoomBrowser EX Instruction Manual" (PDF electronic manual).

Downloading Images without Using Canon Software

To download images with a card reader without using Canon software such as DPP or ZoomBrowser EX, copy to your computer the [DCIM] folder in the memory card.
For more details about folder structures and files in the memory card, refer to p.54.

Exiting EU

1 **Click the [Quit] button.**



➜The window closes and EU exits.

2 **Turn the camera's power switch to < OFF >.**

3 **Disconnect the cable from the camera and computer.**

- Do not pull on the cable; hold the plug and pull out.



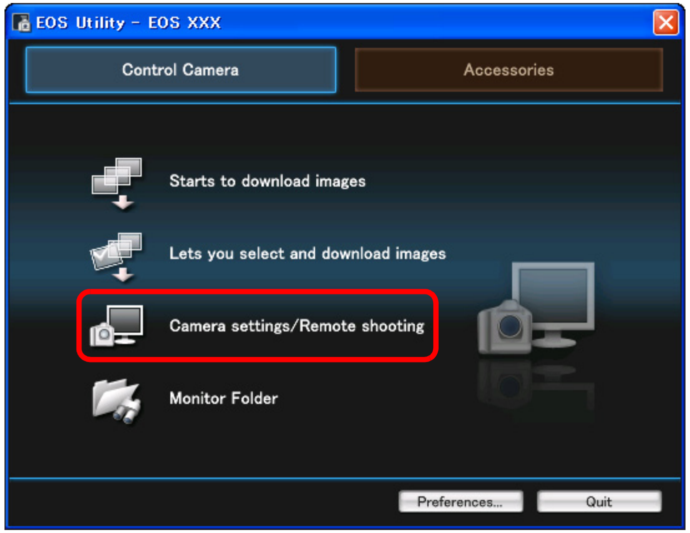
This section explains how to set the camera's functions from EU.

Setting the Camera Owner’s Name and Date/Time

You can set and apply to the camera, the camera owner’s name and date/time, and record these as shooting information of shot images.

1 Connect your camera and computer, and then start up EU (p.5, p.9).

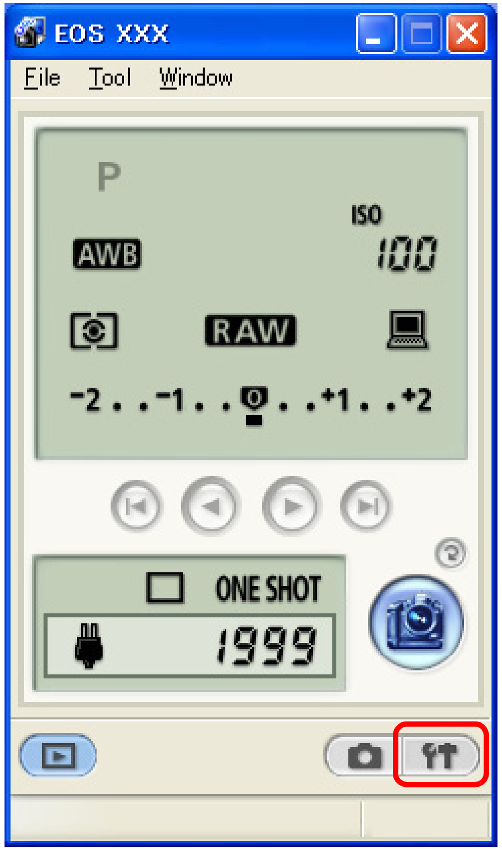
2 Click [Camera settings/Remote shooting].



➜ The camera settings/remote shooting window appears.

3 Click the [ ] button.

Camera settings/remote shooting window

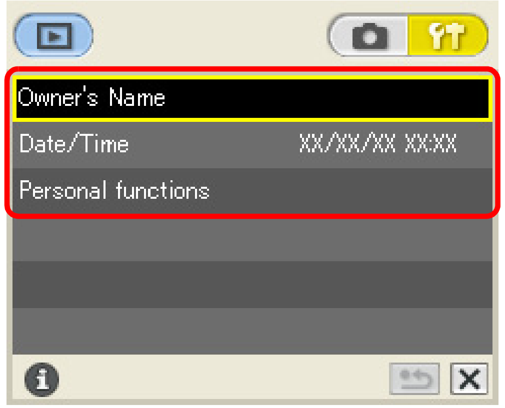


➜ The basic settings window appears.

Introduction
Contents at a Glance
1 Downloading Images
2 Camera Settings
3 Remote Shooting
4 Preferences
Reference
Index

4 Click the required setting and specify each one.

Basic settings window



- Available settings for the camera that is connected are displayed in the basic settings window. For more details, refer to “Available Settings by Camera Model” (Description on the right).

5 Click the [✕] button to close the basic settings window.

- To return to the main window, select the [Window] menu ▶ [Main Window].

Available Settings by Camera Model

Setting	1D Mk II N / 1Ds Mk II / 1D Mk II	1Ds / 1D	30D / REBELXTi / 400D	5D / 20D / 10D / REBELXT / 350D / REBEL / 300D / D60 / D30
Owner’s name	○	○	○	○
Date/time	○	○	○	○
Card initialization	–	○	○	○
Firmware	–	–	○	–
Personal functions	○	○	–	–

Owner’s name

- You can enter up to 31 characters and register the camera owner’s name.

Date/time

- You can set the camera’s date and time.

Card initialization

- You can initialize the memory card inserted in the camera.

> ⚠ Initializing a memory card deletes all the data and the data cannot be recovered. Check carefully before initializing.

Firmware

- You can display the version of the camera’s firmware.
- You can update the firmware by clicking on this item.

Personal functions

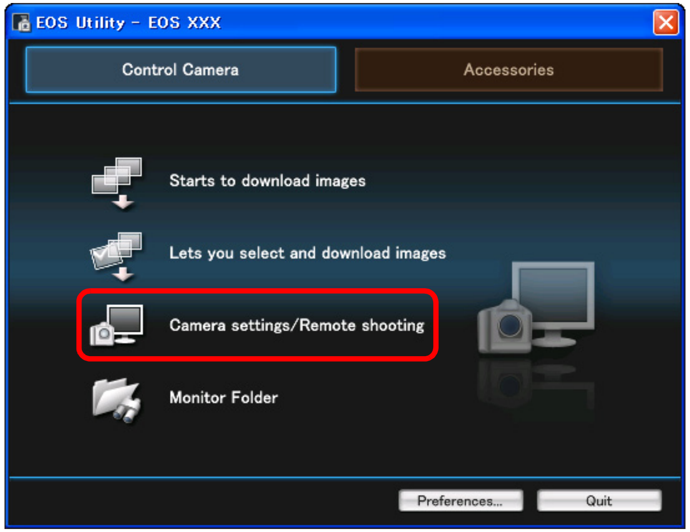
- You can customize the individual functions of the camera to meet your needs. Refer to p.31 about setting up Personal Functions.

Setting up Camera Functions

You can set and apply to the camera Picture Styles, personal white balance, JPEG quality, white balance adjustment, parameters and color matrices.

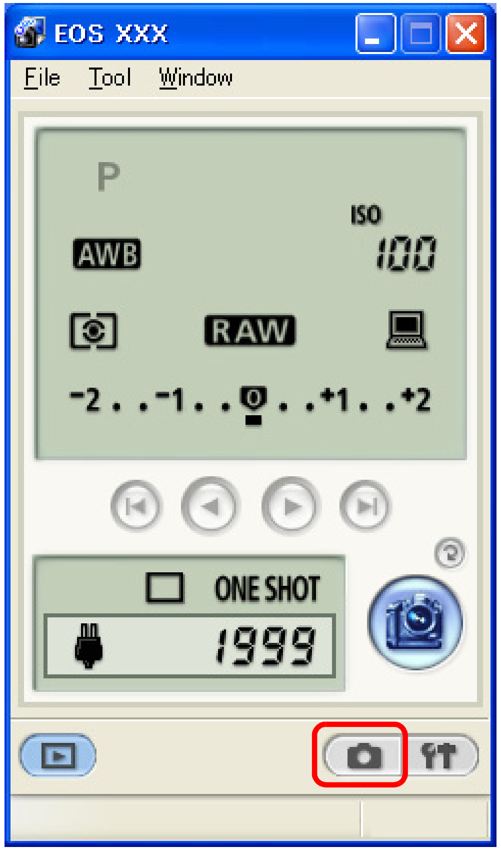
1 **Connect your camera and computer, and then start up EU** **(p.5, p.9)****.**

2 **Click [Camera settings/Remote shooting].**



➜The camera settings/remote shooting window appears.

3 **Click the [ ] button.**



➜The shot settings window appears.

Introduction
Contents at a Glance
1 Downloading Images
2 Camera Settings
3 Remote Shooting
4 Preferences
Reference
Index

4 Click the required setting and specify each one.

Shot settings window



- Available settings for the camera that is connected are displayed in the shot settings window. For more details, refer to "Available Settings by Camera Model" (Description on the right).

5 Click the [✕] button to close the shot settings window.

- To return to the main window, select the [Window] menu ▶ [Main Window].

Available Settings by Camera Model

Setting	1D Mk II N	1Ds Mk II, 1D Mk II	1Ds, 1D	5D, 30D, REBELXTi, 400D	20D, REBELXT, 350D
Picture Style (p.21)	○	–	–	○	–
Personal white balance (p.25)	○	○	○	–	–
JPEG quality (p.26)	○	○	–	–	–
White balance adjustment (p.27)	○	○	–	○	○
Parameters (p.28)	–	○	○	–	–
Color matrix (p.29)	–	○	–	–	–

- With the 1D REBEL 300D D60 D30, you cannot set up the camera's functions.

Setting Picture Styles and Applying to the Camera

1D Mk II N | 5D | 30D | REBELXTi | 400D

You can set and apply Picture Styles to the camera, in the same way as operating from the camera. You can change the values for [Sharpness], [Contrast], [Saturation] and [Color tone] of each Picture Style and register up to three of your own Picture Styles in the camera as user-defined settings.

You can also register Picture Style files in the camera as user-defined settings you have downloaded from the Canon's website or created with Picture Style Editor (Picture Style file creating software) (hereinafter PSE) and saved to your computer.

Selecting a Picture Style and Applying to the Camera

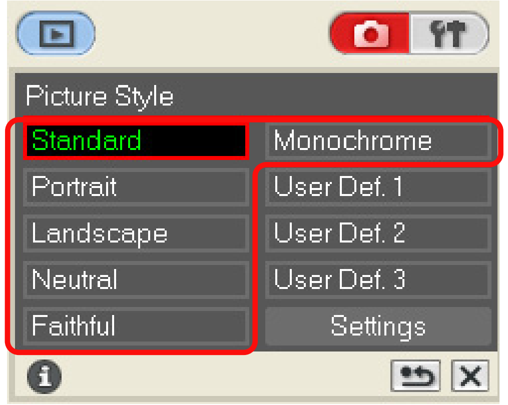
1 Click [Picture Style].



→ The [Picture Style] window appears.

2 Click the Picture Style to be set in the camera.

Picture style window



→ The setting is applied to the camera and the display returns to the shot settings window.

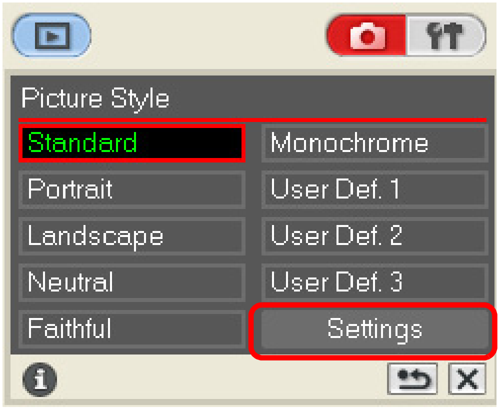
Changing Picture Style Settings and Applying to the Camera

You can set your own Picture Style [Sharpness], [Contrast], [Saturation] and [Color tone] and apply them to the camera, in the same way as operating from the camera.

1 **Click [Picture Style]** **(p.21)****.**

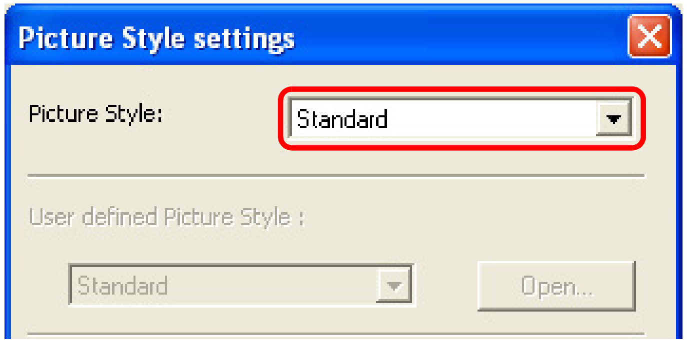
➜ The [Picture Style] window appears.

2 **Click [Settings].**



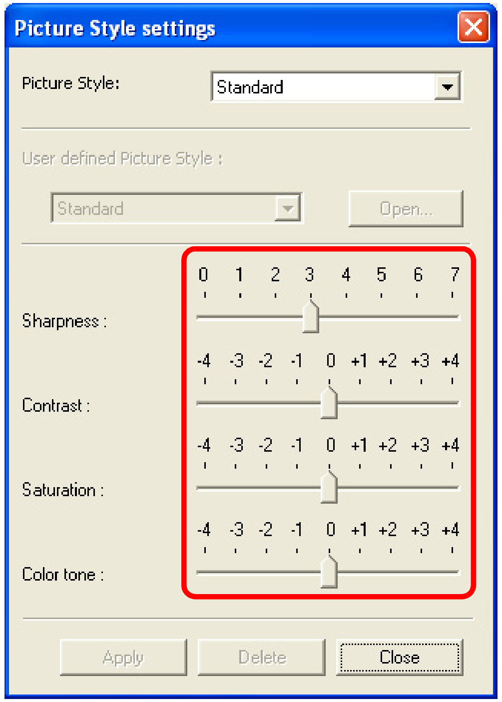
➜ The [Picture Style settings] dialog box appears.

3 **Select a Picture Style from the [Picture Style] list box.**



➜ If you select [Monochrome], the [Filter effect] and [Toning effect] list boxes appear.

4 **Drag the slider for each item left or right.**



5 **Click the [Apply] button.**



➜ The [Confirm settings] dialog box appears.

6 **Check the settings and click the [OK] button.**

➜ The settings are registered in the camera.

7 **Click the [Close] button.**

➜ The [Picture Style settings] dialog box closes.

8 **In the [Picture Style] window (the window in Step 2), click the Picture Style whose setting values you have changed.**

➜ The setting is applied to the camera and the display returns to the shot settings window.

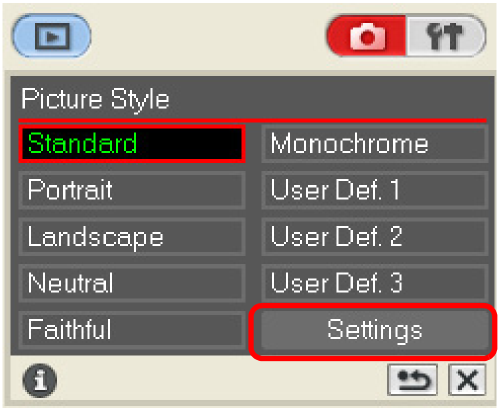
Customizing Picture Styles and Applying to the Camera

You can set your own Picture Style item, [Sharpness], [Contrast], [Saturation] and [Color tone] values and register up to three of these as user-defined settings in your camera, in the same way as operating from the camera.

1 **Click [Picture Style]** (p.21)**.**

➜The [Picture Style] window appears.

2 **Click [Settings].**

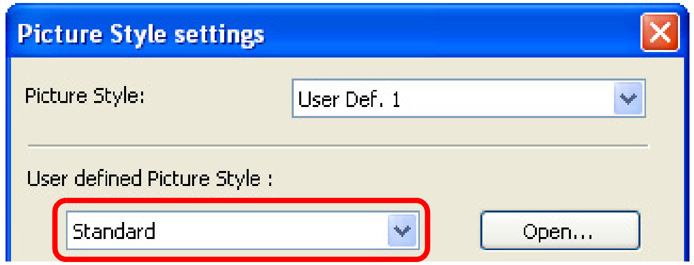


➜The [Picture Style settings] dialog box appears.

3 **Select one of [User Def. 1] to [User Def. 3] from the [Picture Style] list box.**

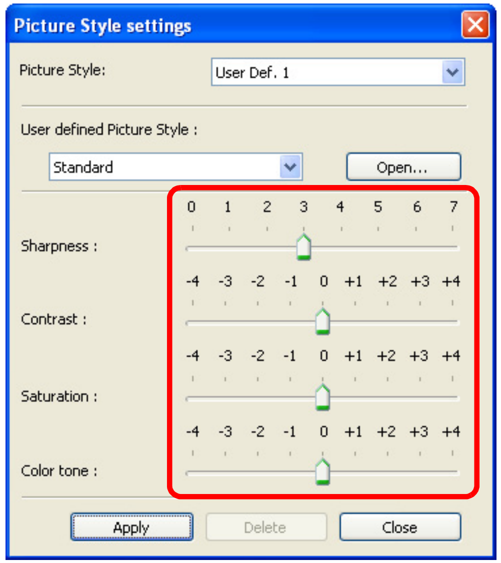


4 **Select a Picture Style from the [User defined Picture Style] list box.**



➜If you select [Monochrome], the [Filter effect] and [Toning effect] list boxes appear.

5 **Drag the slider for each item left or right.**



- The steps that follow are the same as step 5 to step 8 on p.22.

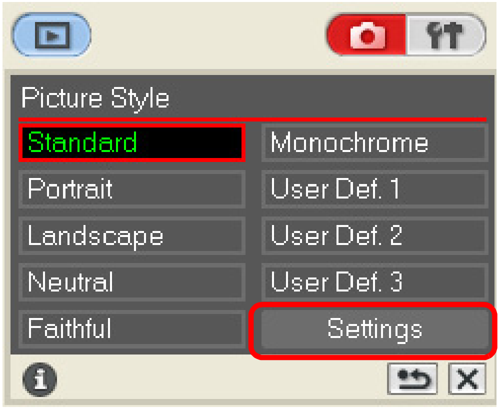
Applying Picture Style Files to the Camera

You can register up to three Picture Style files downloaded from the Canon's website or created with PSE and saved to your computer, as user-defined settings in your camera.

1 Click [Picture Style] (p.21).

➜The [Picture Style] window appears.

2 Click [Settings].

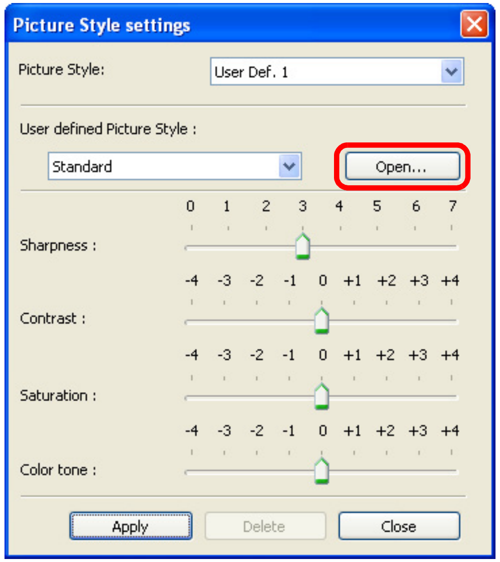


➜The [Picture Style settings] dialog box appears.

3 Select one of [User Def. 1] to [User Def. 3] from the [Picture Style] list box.

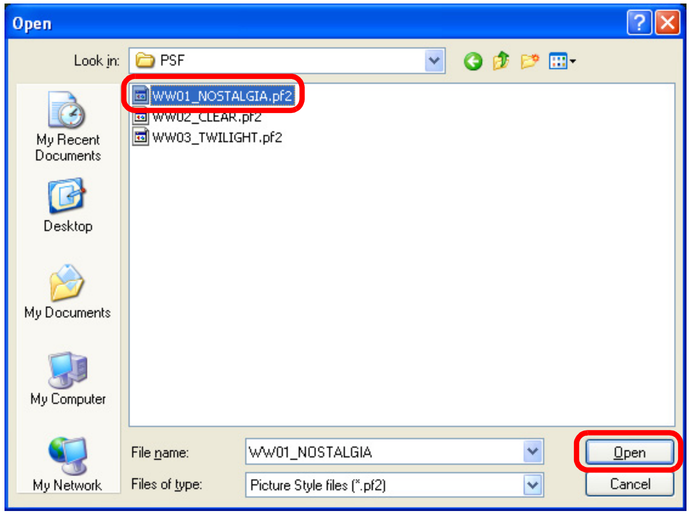


4 Click the [Open] button.



➜The [Open] window appears.

5 Select a Picture Style file and then click the [Open] button.



➜The Picture Style file is loaded and applied to the camera.

● The steps that follow are the same as step 5 to step 8 on p.22.

> A Picture Style file is an extended function of Picture Style. For more details on Picture Style files, refer to the Canon’s website.
> The Picture Style files that you can apply to the camera are files with the “.PF2” extension only.
> For details on using PSE, refer to the “Picture Style Editor Instruction Manual” (PDF electronic manual).

Registering Personal White Balance in the Camera

1D Mk II N | 1Ds Mk II | 1D Mk II | 1Ds | 1D

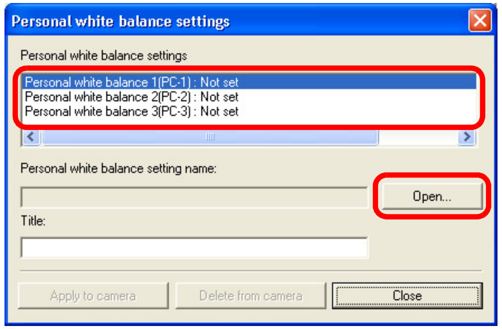
With RAW Image Task (RAW image processing software), you can adjust the white balance of shot RAW images and you can save those results as white balance files.
In EU, you can register up to three white balance files in the camera as personal white balance and use them when you shoot in specific environments.
For instructions on how to save white balance files using RAW Image Task, refer to “Adjusting RAW Images” in the “ZoomBrowser EX Instruction Manual” (PDF electronic manual).

1 **Click [Personal WB].**



→ The [Personal white balance settings] dialog box appears.

2 Select the personal white balance to be registered and click the [Open] button.



→ The [Open] dialog box appears.

3 Open the folder containing the saved white balance file, select the file and then click the [Open] button.

→ The white balance file is loaded.

- The white balance files that you can register to the camera are files with the ".WBD" extension.

4 Enter a title into the [Title] input field.

5 Click the [Apply to camera] button.

→ The personal white balance is registered on the camera.

- To register another setting, repeat step 2 to step 5.

6 Click the [Close] button.

→ The [Personal white balance settings] dialog box closes and the display returns to the shot settings window.

7 Select a registered personal white balance on the camera.

- Select a registered personal white balance (PC-1 to 3) as the white balance for your shot.
- For selecting personal white balance, refer to "Selecting the White Balance" in the camera's Instruction Manual provided with your camera.

Setting JPEG Quality and Applying to the Camera

1D Mk II N | 1Ds Mk II | 1D Mk II

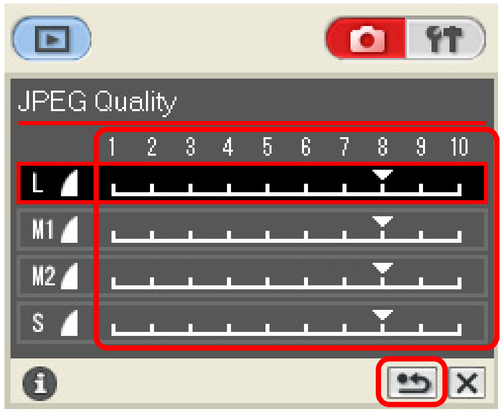
You can set the JPEG image quality and apply it to the camera, in the same way as operating from the camera.

1 Click [JPEG Quality].



→ The [JPEG Quality] window appears.

2 Click the setting position and then click the [ ] button.



- Higher values give a lower compression ratio and higher image quality for any size.

→ The settings are applied to the camera and the display returns to the shot settings window.

Introduction
Contents at a Glance
1 Downloading Images
2 Camera Settings
3 Remote Shooting
4 Preferences
Reference
Index

Adjusting White Balance and Applying to the Camera

1D Mk II N | 1Ds Mk II | 1D Mk II | 5D | 30D | 20D | REBELXTi | 400D | REBELXT | 350D

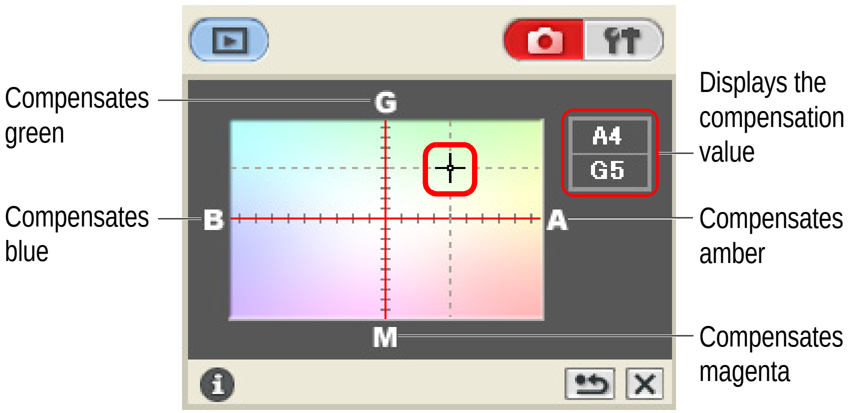
You can adjust white balance, in the same way as operating from the camera.

1 Click [WB SHIFT].



➜ The white balance adjustment window appears.

2 Click the compensation position.



➜ The settings are applied to the camera.

3 Click the [ ] button.

➜ The display returns to the shot settings window.

- To revert the corrected values to the original values, follow the procedure in step 2.

Setting Parameters and Applying to the Camera

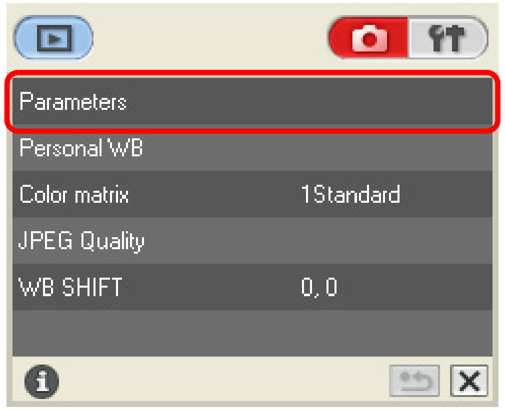
1Ds Mk II | 1D Mk II | 1Ds | 1D

With RAW Image Task (RAW image processing software), you can adjust the tone curve of a shot RAW image, and you can save the result as a tone curve file.

In EU, this tone curve file as well as [Sharpness] and [Contrast] settings can be registered as processing parameters in the camera (up to three settings), and can be used as the processing parameters when shooting in a specific environment.

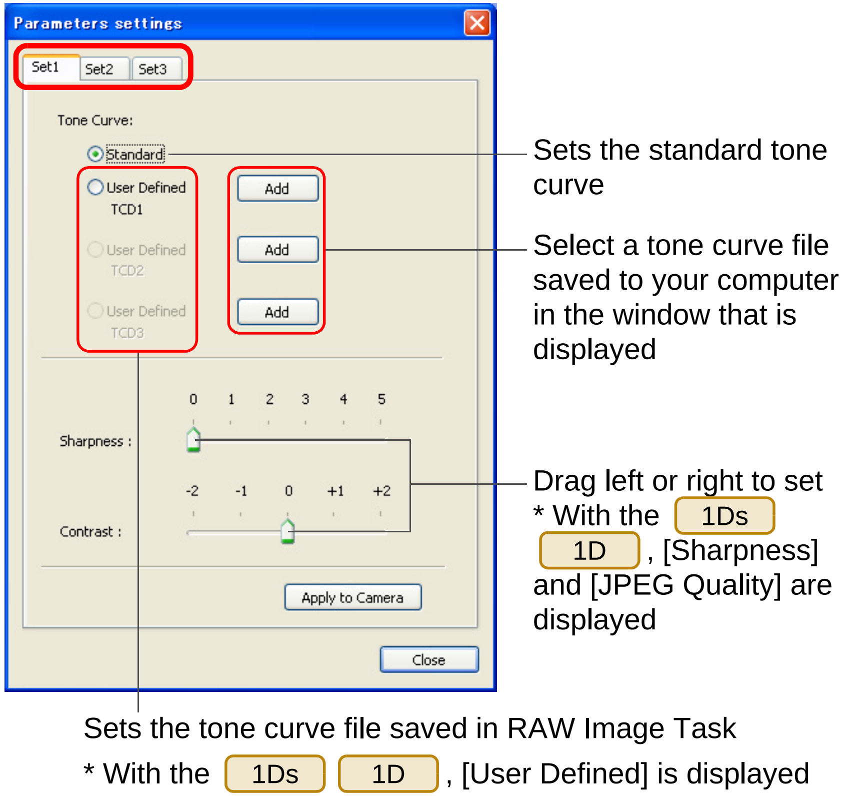
For instructions on how to save a tone curve file using RAW Image Task, refer to "Adjusting RAW Images" in the "ZoomBrowser EX Instruction Manual" (PDF electronic manual).

1 Click [Parameters].



➜ The [Parameters settings] dialog box appears.

2 Select a tab to be set and specify the settings for each item.



3 Click the [Apply to Camera] button.

➜ The [Confirm settings] dialog box appears.

4 Check the settings and click the [OK] button.

➜ The processing parameter is registered on the camera.

5 Click the [Close] button.

➜ The [Parameters settings] dialog box closes and the display returns to the shot settings window.

6 Select the registered parameter on the camera.

- For selecting processing parameters, refer to "Setting the Processing Parameters" in the camera's Instruction Manual provided with your camera.

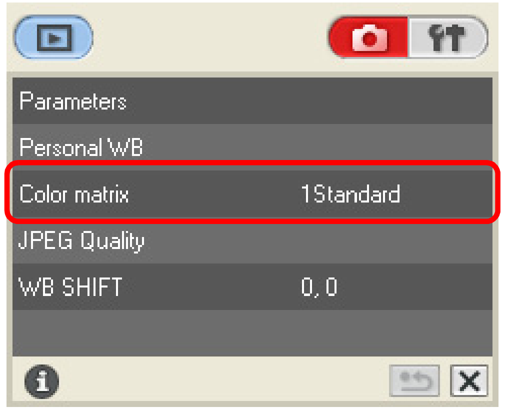
Setting a Color Matrix and Applying to the Camera

1Ds Mk II 1D Mk II

You can select a color matrix and apply to the camera, in the same way as operating from the camera. You can also register in the camera up to two color matrices – [6CM set1] and [7CM set2] – with customized [Color space], [Saturation] and [Color tone].

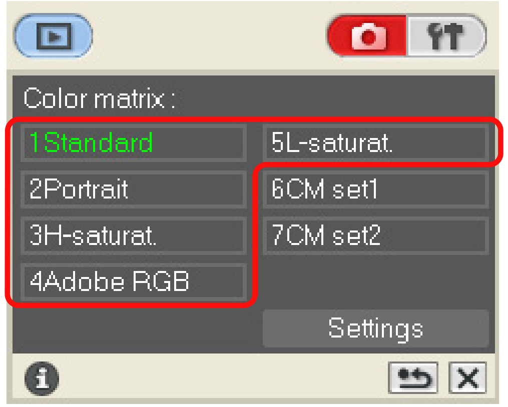
Selecting a Color Matrix to be Applied to the Camera

1 **Click [Color matrix].**



➜ The [Color matrix] window appears.

2 **Click the color matrix to be set in the camera.**



➜ The settings are applied to the camera and the display returns to the shot settings window.

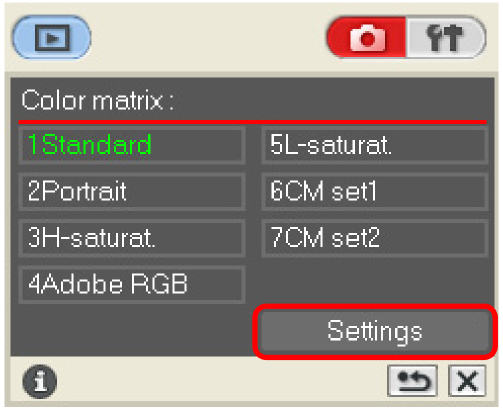
Customizing a Color Matrix and Applying to the Camera

You can customize [Color tone], [Saturation] and [Color space] and register up to two in the camera as color matrices [6CM set1] and [7CM set2].

1 **Click [Color matrix]** (p.29)**.**

➜The [Color matrix] window appears.

2 **Click [Settings].**

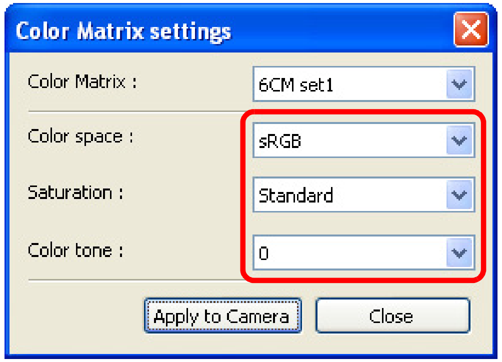


➜The [Color Matrix settings] dialog box appears.

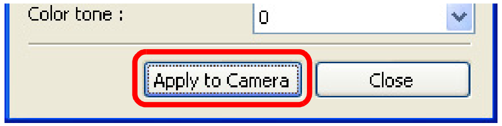
3 **Select [6CM set1] or [7CM set2] from the [Color Matrix] list box.**



4 **Select the setting to be set from each list box.**



5 **Click the [Apply to Camera] button.**



➜The [Confirm settings] dialog box appears.

6 **Check the settings and click the [OK] button.**

➜The settings are applied to the camera.

7 **Click the [Close] button.**

➜The [Color Matrix settings] dialog box closes.

8 **In the [Color matrix] window (window in step 2), click on the set [6CM set1] or [7CM set2].**

➜The settings are applied to the camera and the display returns to the shot settings window.

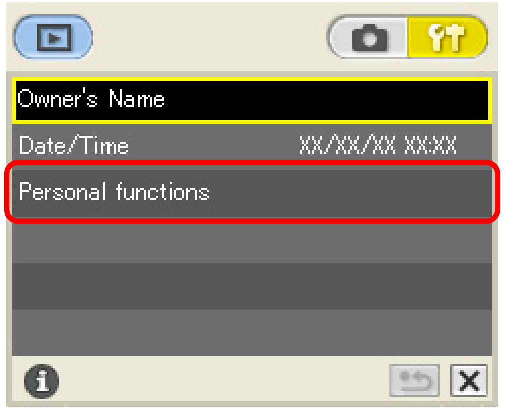
Customizing Camera Functions (Personal Functions)

1D Mk II N | 1Ds Mk II | 1D Mk II | 1Ds | 1D

You can customize the camera to your needs by selecting detailed settings for each function. You can also save to your computer the settings according to their use, as well as load saved settings and apply them directly to the camera.

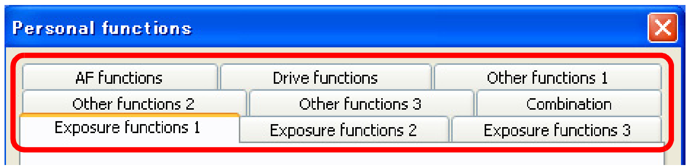
1 Display the basic settings window (p.17).

2 Click [Personal functions].



➜ The [Personal functions] dialog box appears.

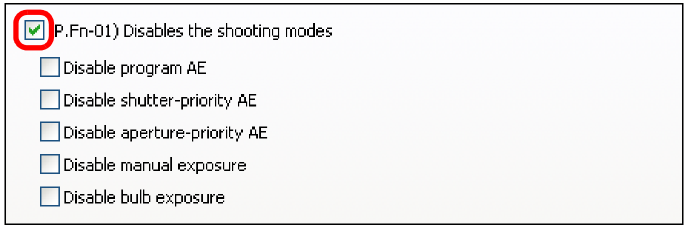
3 Select a tab to be set.



➜ The selected dialog box appears.

- In the [Combination] tab sheet, you can check the specified Personal Function settings and whether or not the settings have been applied to the camera, as well as save and load Personal Functions (p.39, p.40).

4 Checkmark the box [☐] and specify the required settings (p.32 to p.38).

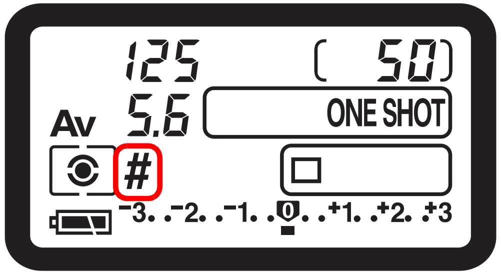


- If you enter a numerical value, values outside the valid range of settings are ignored.

5 Check the settings and save them on your computer if necessary (p.39).

6 Click the [OK] button.

➜ The settings are applied to the camera, the [Personal functions] dialog box closes and the display returns to the basic settings window.



➜ When a Personal Function is applied to the camera, < # > appears on the LCD panel.

Description of Personal Functions

A description of the content of each Personal Function is given below in the order of their function numbers.
The C.Fn shown in this section provides a brief description of the Custom Function setting for the respective function. For more details, refer to "Custom Function Settings" in the camera's Instruction Manual provided with your camera.

P.Fn-01 Disables the shooting modes

- Checkmark the shooting modes you do not want to use.
- Unwanted shooting modes can be skipped while you are selecting the shooting mode.
- This makes selecting the desired shooting mode faster.
- With the 1Ds 1D, [Disable depth-of-field AE] is also displayed.

At least one checkbox must be left unchecked.

P.Fn-02 Disables the metering modes

- Checkmark the metering modes you do not want to use.
- Unwanted metering modes can be skipped while you are selecting the metering mode.
- This makes selecting the desired metering mode faster.

At least one checkbox must be left unchecked.

P.Fn-03 Specifies the metering mode for manual exposure

- Select the metering mode to be specified.
- You can specify the metering mode to be used in the manual exposure mode.
- When you set the manual exposure mode, the metering mode selected here will be set automatically. In the manual exposure mode, this enables you to use a metering mode different from the one used in the AE modes.

P.Fn-04 Sets the maximum and minimum shutter speeds to be used

- Select the maximum and minimum shutter speeds from the list box. For example, if you set 1/2000 sec. as the fastest shutter speed and 1/60 sec. as the slowest, the shutter speed range will be 1/2000 to 1/60 sec.
- This makes shutter speed selection faster and prevents a slow-speed sync. in aperture-priority AE mode with the flash.

- If you set the maximum and/or minimum shutter speed to one that is not a full-stop increment (such as 1/750 sec.), the controllable and settable shutter speed range might not be as exact as you set it (A slight deviation may occur.). This applies if you also set Custom Function C.Fn-6-1 and C.Fn-6-2 and set the maximum and/or minimum shutter speed to one that is not a full-stop increment (such as 1/3200 sec.).
- To ensure that a proper flash sync speed is set in the Program AE mode, a shutter speed range of 1/200 sec. to 1/80 sec. cannot be set with the 1D Mk II N 1Ds Mk II 1D Mk II 1Ds, and the range of 1/400 sec. to 1/80 sec. cannot be set with the 1D.
- If safety shift has been enabled (with C.Fn-16), it will override P.Fn-04's shutter speed range.

P.Fn-05 Sets the maximum and minimum apertures to be used

- Select the maximum and minimum apertures from the list box.
  For example, if you set 1.4 for the largest aperture (minimum f/number) and 8.0 for the smallest aperture (maximum f/number), the usable aperture range will be f/1.4 to f/8.0.
- You can better control the apertures used by setting the range of usable apertures.

> - If you set the maximum and/or minimum aperture to one that is not a full-stop increment (such as f/4.5), the controllable and settable aperture range might not be as exact as you set it (A slight deviation may occur.). This applies if you also set Custom Function C.Fn-6-1 or C.Fn-6-2 and set the maximum and/or minimum aperture to one that is not a full-stop increment (such as f/6.3).
> - If the largest aperture of the attached lens is smaller than the largest aperture you set with P.Fn-05, the largest aperture will be set to the lens' largest aperture. And if the largest aperture of the attached lens is smaller than the smallest aperture you set with P.Fn-05, the aperture will be set and fixed to the lens' largest aperture.
> - If safety shift has been enabled (with C.Fn-16), it will override P.Fn-05's aperture range.

P.Fn-06 Registers and switches the shooting mode and metering mode

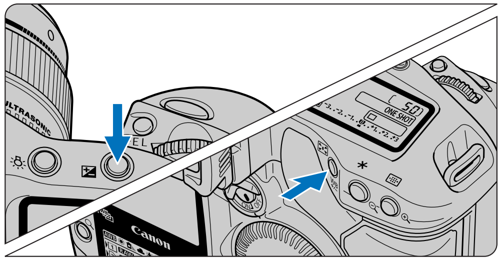
- Only while you press the < > button, you can switch to the preset shooting mode, exposure setting (such as the aperture for aperture-priority AE), metering mode, and exposure compensation amount.
- Select settings that are appropriate for each shooting mode.
- The modes and settings are preset with the camera.
- Convenient when you want to instantly select the preset modes and settings to suit a particular shooting situation such as backlit or front-lit conditions.

P.Fn-06 Registering the Modes and Settings with the Camera

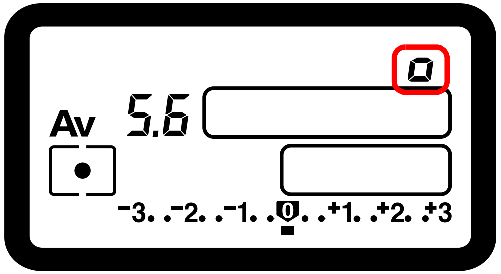
1 Set the shooting mode and shooting mode settings (for example, aperture setting for aperture-priority AE mode). Then set the metering mode and exposure compensation amount.

2 Register the modes and settings.

- Press the < > button, then press the < > button.



→ < > appears in the LCD panel, indicating that the modes and settings have registered.



- The registered modes and settings can be modified any number of times.

- To register the modes and settings, first press the < ⊠ > button before the < ⊠ > button. If you press the < ⊠ > button first, the camera will only select the registered modes and settings instead.
- Bulb cannot be preset.
- You cannot select the registered modes and settings during continuous shooting.

- If P.Fn-03 has been set to specify the metering mode for manual exposure, and P.Fn-06 is used to register the manual exposure mode and a metering mode different from the one specified with P.Fn-03, you can select the metering mode specified with P.Fn-03 by pressing the < ⊠ > button.
- If P.Fn-04 and/or P.Fn-05 has been set, set the shutter speed and aperture within the range specified with P.Fn-04 and/or P.Fn-05.
- If the shooting and metering modes you want to set are excluded by the restrictions in P.Fn-01 and P.Fn-02, those Personal Functions must be disabled. For information on clearing and resetting Personal Functions, refer to "Clearing and Resetting Personal Functions" in the camera's Instruction Manual provided with the camera.
- Even if the shooting and metering modes selected by P.Fn-06 are excluded by the restrictions in P.Fn-01 and P.Fn-02, they are still valid for P.Fn-06.

C.Fn

- If C.Fn-4-1 or C.Fn-4-3 has been set, AF and AE will also take effect when you press the < ⊠ > button.
- When C.Fn-18 is set, P.Fn-06 is disabled.

P.Fn-07 Repeats bracketing during continuous shooting

- While you hold down the shutter button, bracketing repeats continuously in the currently selected drive mode.
- This function is useful when you want to continuously repeat the bracketing sequence.

P.Fn-08 Sets the number of shots to be bracketed

- Select the number of shots from the list box.
- The usual 3-shot bracketing is changed to 2-, 3-, 5-, or 7-shot bracketing.
- In bracketing shots, if you select 5-shot bracketing with 1-stop increment, the bracketing for the shots is –2, –1, 0, +1 and +2.
- This function is useful for adjusting the range of bracketing.

- Even when the setting is outside the bracketing level display range, the exposure is compensated as specified.
- This function can be used in combination with C.Fn-09-2/3 and P.Fn-09.

P.Fn-09 Changes the bracketing sequence for C.Fn-09-2/3 to increased exposure, standard exposure, and decreased exposure

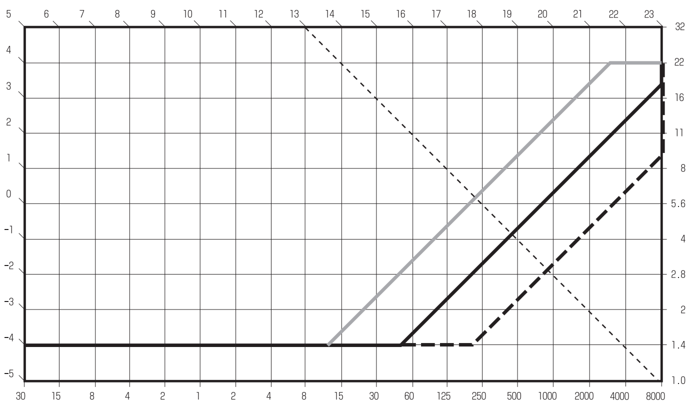
- The bracketing sequence when C.Fn-09-2/3 is selected (decreased exposure → standard exposure → increased exposure) changes to increased exposure → standard exposure → decreased exposure.
- This function is useful when you want to start the bracketing sequence with a increased exposure.

This function can be used in combination with P.Fn-08.

P.Fn-10 Retains the shift amount for program shift

- Normally, any program shift amount is canceled after you take the picture. This Personal Function retains the program shift amount.
- This function is useful when you want to shift the standard program line so that priority is given to the shutter speed or to the aperture.

By shifting the program, you can change the shutter speed or aperture and still retain the same exposure level. Under the same brightness, you can shift the program line toward the right to set a faster shutter speed and a larger aperture (lower f/number). Or you can shift the program line toward the left to set a slower shutter speed and a smaller aperture (higher f/number). P.Fn-10 retains the amount of program shift. Select the appropriate amount of shift for the level of priority you want to give to the shutter speed or aperture setting.



Standard program line
Program line shifted toward a faster shutter speed.
Program line shifted toward a slower shutter speed.
With EF50mm f/1.4 USM

- The program shift amount remains in effect until you set it back to the standard program manually or replace the battery or press the < CLEAR > button.
- The shift amount is retained even after you change the lens.

P.Fn-13 Executes AI Servo AF continuous shooting giving priority to the drive speed

1D

- During continuous shooting, shutter release-priority takes effect instead of focus-priority.
- Effective when it is more important to capture an image even though it might be slightly out of focus.

P.Fn-14 Disables focus detection (search driving) by the lens drive

- Normally, when you press the shutter button halfway and focus cannot be achieved, the lens is driven to search the correct focus. This lens driving operation can be turned off.
- When focus has been achieved once and refocusing fails, the subsequent lens driving operation can result in grossly out of focus. This subsequent lens driving operation is turned off. P.Fn-14 is especially suited for super telephoto lenses.

If autofocusing is attempted while the lens is way out of focus, the lens may stop operating. Focus manually until the subject outline becomes discernable, then autofocus.

P.Fn-15 Disables the AF-assist beam from being emitted

- This disables the external Speedlite's built-in AF-assist beam.
- At a joint photo session, etc., this prevents the AF-assist beam's pattern projected on the subject from being photographed by other photographers.

P.Fn-16 Enables automatic shooting when focus is achieved at the fixed point of focus while the shutter button is pressed fully

- This takes the picture automatically when the subject comes to the preset focusing distance. Focusing detection is performed using the selected AF point.
- Set the lens focus mode switch to < MF > and focus manually at the desired point of focus.
- Keep pressing the shutter button fully.
- Using an accessory such as Remote Controller RS-80N3 which can lock the shutter button relieves you from holding down the shutter button while you wait for the subject.

> - Because the camera remains on standby while the shutter button is fully pressed, battery power is used up more quickly. For long periods of photography, use the DC Coupler Kit provided with the camera.
> - When this function is used in combination with a flash, the flash remains on standby at full charge. Consequently, the flash batteries are used up more quickly. (The Speedlite's SE mode is disabled.)
> - When you use a flash with this function, set the drive mode to single shooting. If you select continuous shooting, the flash will be unable to charge in time for successive shots and will not fire at full charge.
> - If you set the drive mode to continuous shooting, set the number of shots in P.Fn-20. If you do not use P.Fn-20, once the camera focuses on the subject, continuous shooting will continue until the capacity of the memory card is reached.
> - P.Fn-16 cannot be used with manual focus lenses or with lenses that are too slow to be used with autofocusing.
> - Do not use this function when C.Fn-4-1/3 is set as shots will be taken regardless of whether the image is in focus.

> Using an accessory such as Remote Controller RS-80N3 which can lock the shutter button is recommended.

P.Fn-17 Disables automatic AF point selection

- When you select beyond the peripheral AF point, the selection stops there. It makes selecting a peripheral AF point faster.

> - If C.Fn-11-2 has been set, you can switch to automatic AF point selection by pressing the < ⁝⁝⁝ > button during autofocusing. For more details, refer to "Selecting the AF Point" in the camera's Instruction Manual provided with the camera.
> - If automatic AF point selection has been preset at [AF frame registration] setting, the preset setting remains valid. For more details, refer to "Registering and Switching the AF Point" in the camera's Instruction Manual provided with the camera.

P.Fn-18 Enables automatic AF point selection when C.Fn-11-2 has been set

- Enables the standard horizontal AF point selection together with automatic AF point selection with C.Fn-11-2.
- Convenient when you want to use automatic AF point selection while C.Fn-11-2 has been set.

> If P.Fn-17 [Disables automatic AF point selection] has also been set, P.Fn-17 will override P.Fn-18 to disable automatic AF point selection.

P.Fn-19 Sets the continuous shooting speed

- From the list box, select the speed of continuous shots.
- By reducing the maximum continuous shooting speed, AI Servo AF continuous shooting can be more stable.
- With the 1Ds Mk II 1Ds, only [Continuous Shooting] is displayed.

> In AI Servo AF, it may not be possible to complete the selected speed of continuous shots.

P.Fn-20 Limits the number of shots during continuous shooting

- This enables you to enter the maximum number of shots to be exposed during continuous shooting while the shutter button is pressed fully.
- Convenient when you do not want to shoot an unwanted scene that follows.

P.Fn-21 Enables quiet operation when the shutter button is OFF after picture-taking

- When single shooting is selected, this function selects quiet camera operation when you release the shutter button from the fully pressed position to the half way position.
- This is useful when the camera operation noise would be disturbing after you take the picture.

If you select continuous shooting, the camera operates normally.

C.Fn Setting mirror lockup with C.Fn-12 will further reduce the shooting noise.

P.Fn-23 Changes the timer's time length

- After you press and release a button, the respective function remains active for a specific number of seconds. You can change this number of seconds as necessary.
- The function's activation time can be set from 0 to 3600 sec. (1 hour).
- If the standard activation time is too short or too long, you can adjust it.

6 sec. timer	• AE lock time after you press the shutter button halfway or the < * > button.
16 sec. timer	• FE lock time after you press the < FEL > button.
Post-shutter release timer (2 sec. timer)	• Exposure setting retaining time after the picture is taken. Setting this to a longer time can make it easier to shoot in the same exposure with AE lock. • LCD panel illumination time after the picture is taken.

Note that if you set a longer activation time, the battery become exhausted more quickly and the number of possible shots will be reduced.

To turn off the function's activation time midway, press the < MODE > button, < AF > button or < > button.

P.Fn-24 Illuminates the LCD panel during bulb exposures

- After the bulb exposure starts, press the < LCD panel illumination > button to illuminate the LCD panel until the bulb exposure ends.
- Convenient when you want to monitor the elapsed bulb exposure time.

Note that if you take bulb shots for long periods, the battery becomes exhausted more quickly and the number of possible shots will be reduced.

P.Fn-25 Sets the default settings when the < CLEAR > button is ON

- You can use this function to select the default settings when you press the < CLEAR > button.
- Convenient when you want to instantly switch to frequently-used settings.

P.Fn-26 Shortened release time lag

1D Mk II N | 1Ds Mk II | 1D Mk II

- Normally, the shutter-release time lag is controlled for stability. This Personal Function eliminates this control. As a result, the shutter-release time lag can be reduced by as much as about 20 percent when the aperture needs to be stopped down by no more than 3 stops.
- This is effective when a shorter shutter-release time lag is more important than a stable shutter-release time lag.

Since the difference is in 10-millisecond increments, the time lag may not feel any shorter.

P.Fn-27 Enables the electronic dial's function to be used in the reverse direction

- The electronic dial's rotational function can be reversed for selecting the AF point and setting the shutter speed and aperture.
- By matching the dial's rotation direction to the particular operation, the operation can feel more intuitive.

> When the Main Dial's rotational function is reversed, the horizontal AF point selection direction does not change.

P.Fn-28 Prevents exposure compensation with the Quick Control Dial

- The Quick Control Dial cannot be used to set exposure compensation.
- This prevents exposure compensation from being set accidentally while the AF point is being selected.

P.Fn-30 Enables Quick Control Dial switch to turn on/off Main Dial, too

1D Mk II N | 1Ds Mk II | 1D Mk II

- Setting the Quick Control Dial switch to < OFF > disables the Main and Quick Control Dials.

P.Fn-30 Enlargement mode

1Ds

- Select which part of an image is enlarged.
- If you take the shot on the camera with this function [ON], you can enlarge an image.
- For more information on using this function on the camera, refer to "P.Fn-30 Enlarging the image" in the camera's Instruction Manual.

> If you wish to enlarge an image, set P.Fn-30 to [ON] during shooting and playback. The image shot on the camera without setting P.Fn-30 to [ON] cannot be enlarged.

P.Fn-31 Add original decision data

1D Mk II N | 1Ds Mk II | 1D Mk II | 1Ds

- The data that shows whether or not the image is the original one can be added to the image. When selecting the display format of Shooting information (INFO), the [🔒] icon showing the captured image with original image verification data is displayed. For more details, refer to "Shooting Information Display" in the camera's Instruction Manual.
- To verify whether the image is the original, you will need the one of the following EOS accessories: Original Data Security Kit OSK-E3 (sold separately), Data Verification Kit DVK-E2 (sold separately), or DVK-E1 (sold separately).

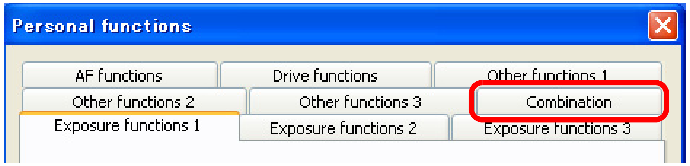
> For a JPEG or TIFF image converted from a RAW image and saved using Digital Photo Professional or ZoomBrowser EX/RAW Image Task, the original decision data is not added.

Checking Settings and Application to Camera

You can check the content of the specified Personal Functions and whether they have been applied to the camera.

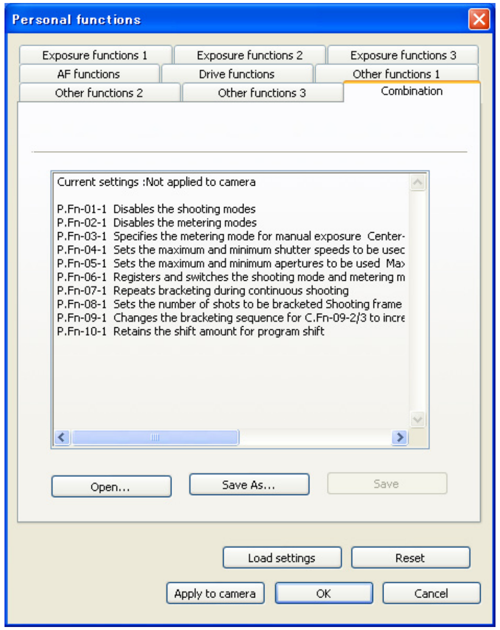
1 Specify the Personal Functions **(p.32 to p.38)****.**

2 Select the [Combination] tab.



➜ The [Combination] tab sheet appears.

3 Check the settings.



Saving and Loading Settings

You can save specified Personal Functions to your computer as a Personal Function settings file, as well as load and apply them to the camera.

If you save in advance multiple Personal Function settings files according to use, you can immediately apply a setting to the camera for the required use.

Saving Settings to Your Computer

1 Click the [Save As] button.

➜ The [Save As] dialog box appears.

2 Select a save destination, enter a file name and click the [Save] button.

➜ The content of the specified Personal Function is saved to your computer as a Personal Function settings file.

The Personal Function settings file is not compatible with a camera other than the one the function was set on.

- If you have loaded or changed a Personal Function settings file which you have saved to your computer, click the [Save] button and update the loaded file.
- A Personal Function settings file saved to your computer is compatible with both Windows and Macintosh.

Loading Settings and Applying to the Camera

1 **Click the [Open] button.**

➜The [Open] dialog box appears.

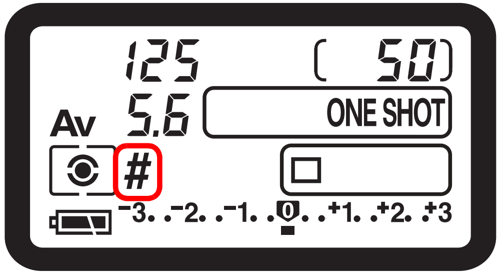
2 **Open the folder where the settings are saved, select a file and click the [Open] button.**

➜The saved Personal Function settings file is loaded.

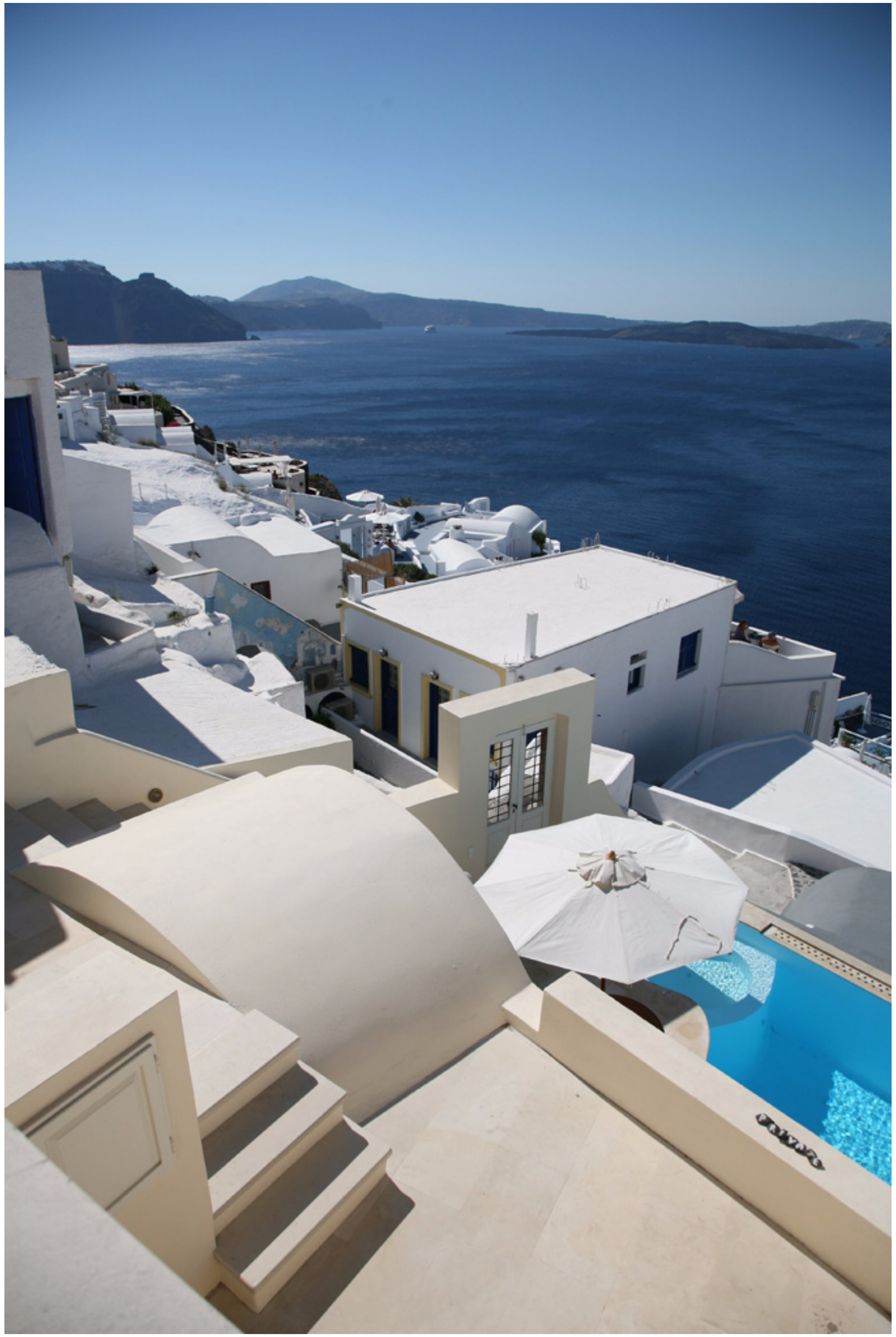
3 **Click the [OK] button.**

➜The loaded settings are applied to the camera, the [Personal functions] dialog box closes, and the display returns to the basic settings window.

➜When a Personal Function is applied to the camera, < # > appears on the LCD panel.



3 Remote Shooting by Controlling the Camera from Your Computer

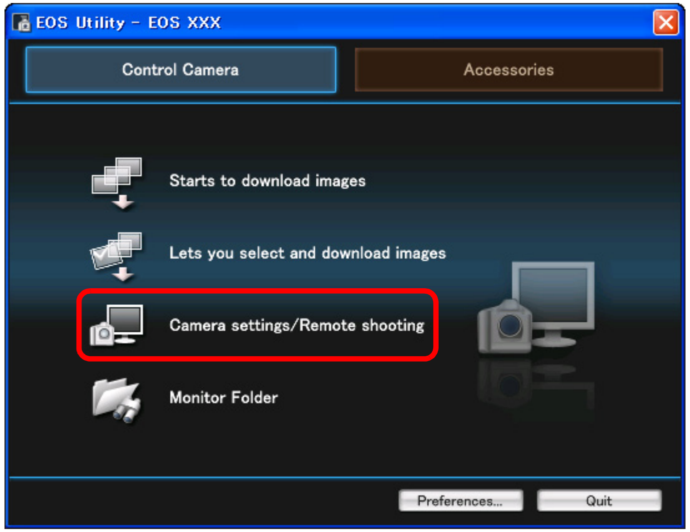


You can change the camera settings and shoot photos by remotely controlling the camera from EU. You can also shoot by directly operating your camera even during remote shooting, or preset a time allowing the camera to shoot automatically with timer shooting.

Remote Shooting by Controlling the Camera from Your Computer

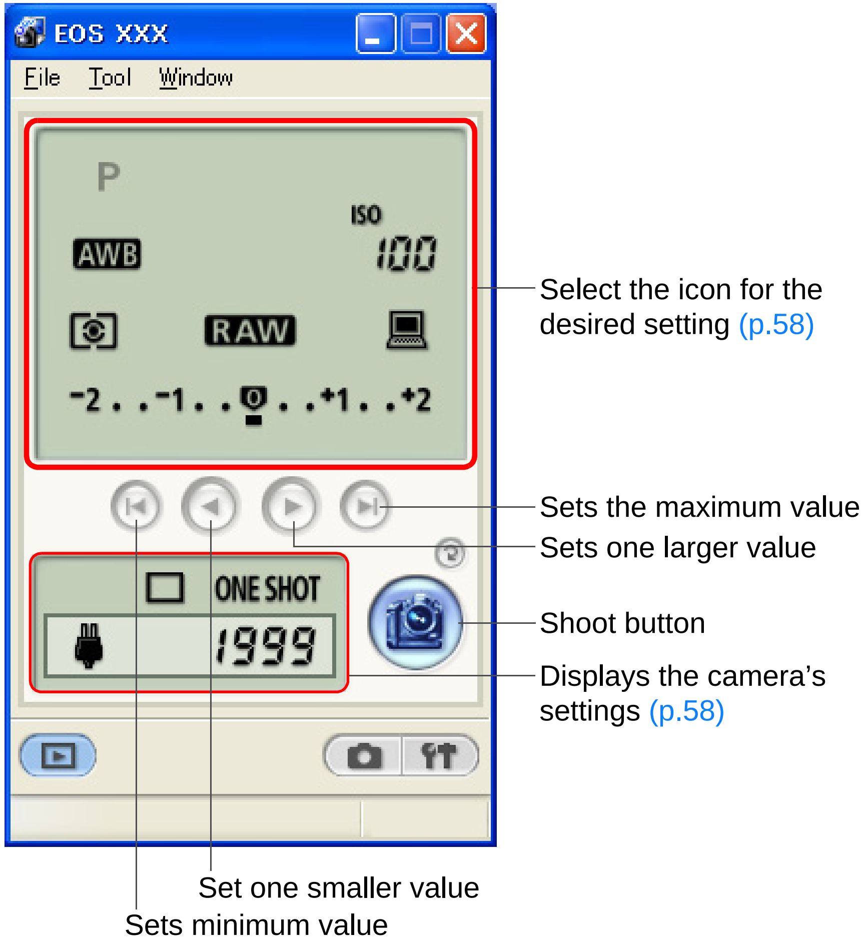
You can remote control your camera and shoot from your computer. Shot images are saved to your computer, and you can check them immediately in the Digital Photo Professional (hereinafter DPP), which is linked to start up automatically.
This is an effective function when shooting in large quantities using fixed framing such as for studio shooting.

1 Click [Camera settings/Remote shooting].



→The camera settings/remote shooting window appears.

2 Set the camera.



- Click the icons for the desired settings, and click any of the buttons [ ], [ ], [ ] or [ ] to set.
- You can also use the functions of the shot settings window (p.19).
- For functions that cannot be set from the camera settings/remote shooting window (Drive mode, AF mode, etc.), set these from the camera.
- Items displayed in the camera settings/remote shooting window and items that can be settable differ depending on the connected camera. For more details, refer to the "Displays and Settings by Camera Model" (p.43).

3 Click the [ ] button and take a shot.

→ The shot images are transferred to the computer, DPP starts up automatically, and the shot images are displayed.
- To switch to the main window, select the [Window] menu ▶ [Main Window].
- To exit EU, select the [File] menu ▶ [Exit].

> - If the camera is not ready for shooting (the lens is not attached, etc.), you cannot perform the operation as explained.
> - If you are using auto focus, you cannot take shots if the camera cannot focus. In this case, focus manually.
> - Bulb exposure is not available.

> - You can also press the space bar key to take a shot.
> - You can change the software which displays remotely shot images from DPP to ZoomBrowser EX or other software (p.48).
> - You can save shot images on both your computer and the memory card (p.48).
> - For a list of camera settings/remote shooting functions, refer to p.58.

Displays and Settings by Camera Model

Display/ Setting	1D Mk II N, 1Ds Mk II, 1D Mk II, 1Ds		5D, 30D, 20D, 10D, REBEL XTi, 400D, REBEL XT, 350D, REBEL, 300D		1D, D60, D30	
	Display	Setting	Display	Setting	Display	Setting
Shooting mode	○	○	○	–	○	–
Shutter speed	○	○	○	○	○	–
Aperture	○	○	○	○	○	–
White balance	○	○	○	○	○	–
ISO speed	○	○	○	○*1	○	–
Metering mode	○	○	○	○*2	○	–
Image recording quality	○	○	○	○	○	–
Save destination of shot images	○	○	○	○	○	○
Exposure compensation	○	○	○	○	○	–

	1D Mk II N, 1Ds Mk II, 1D Mk II, 1Ds	5D, 30D, 20D, 10D, REBEL XTi, 400D, REBEL XT, 350D, REBEL, 300D	1D, D60, D30
	Display	Display	Display
Bracket shots	○*3	○*4	–
Drive mode	○	○	○
AF mode	○	○	○
Battery status	○	○	○
Warning display	○	○	○
Shots to Go	○	○	○

*1: Cannot be set with the 10D.
*2: Cannot be set with the 10D, REBEL, 300D.
*3: Does not display with the 1Ds.
*4: Does not display with the 10D, REBEL, 300D.

Shooting by Operating the Camera

Even when remote shooting is set, you can still operate the camera and shoot – as when shooting with only the camera. Also, since the shot images are saved to your computer's hard disk, you can shoot large quantities without having to worry about the capacity of the memory card.
You can check the shot images immediately in Digital Photo Professional (hereinafter DPP), which is linked to start up automatically.

1 **Display the camera settings/remote shooting window** (p.42)**.**

2 **Set the camera.**

- Specify the necessary settings for shooting by operating the camera.

➜ The display of EU's camera settings/remote shooting window changes according to the settings.

3 **Press the camera's shutter button and take a shot.**

➜ The shot images are transferred to the computer, DPP starts up automatically, and the shot images are displayed.

Timer-controlled Shooting

Two types of timer shooting are available where the camera automatically takes shots at a specified time or a specified number.

Interval Timer Shooting

You can automatically take shots by setting the interval between shots and the number of shots to be taken.

1 **Select the [Tool] menu ▶ [Timer shooting].**

➜ The [Timer shooting settings] dialog box appears.

2 **Checkmark [Interval timer shooting].**

3 **Enter the shooting interval and the number of shots.**

- Enter a value between 5 seconds and 99 minutes and 59 seconds in one-second increments.
- The minimum number of interval-timed shots is two. The number of shots you can take at timed intervals depends on the available space on your computer's hard disk.

4 **Click the [Start] button.**

➜ The shots are taken at the specified intervals and for the specified number of shots.

On some types of computer, if you set a short interval between shots and there is insufficient time to transfer and save the images, it may not be possible to take shots at the specified interval. In this case, set a longer interval between shots and take the shots again.

Timer Shooting

You can automatically take a shot when the specified time elapses.

1 **Select the [Tool] menu ▶ [Timer shooting].**

➜ The [Timer shooting settings] dialog box appears.

2 **Enter a delay time and click the [Start] button.**

- Enter a value between 0 seconds and 99 minutes and 59 seconds in one-second increments.

➜ The shot is taken when the specified time elapses.

4 Preferences



You can change each of the EU functions in the preferences window to make them easier to use.

Preferences

1 **Connect the camera and your computer.**

2 **On the main window, click the [Preferences] button, or in another window, select the [File] menu ▶ [Preferences].**

➜The [Preferences] dialog box appears.

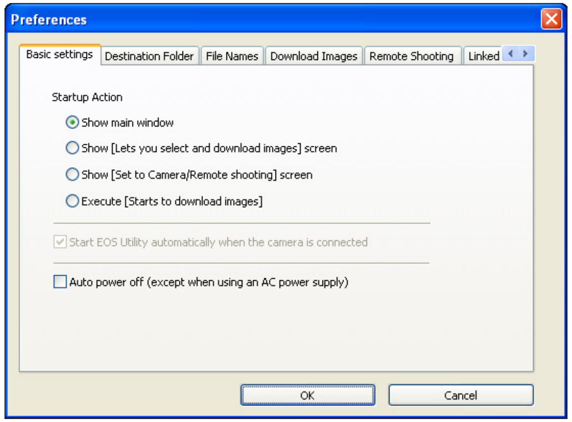
3 **Specify the required settings and click the [OK] button.**

➜The settings are applied to EU.

Specify [Preferences] when your camera and computer are connected. Settings will not be applied if they are specified when they are not connected.

Basic Settings

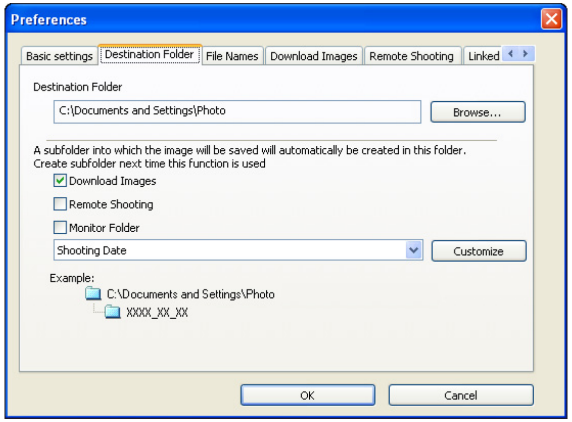
You can specify the operation when EU starts up and whether the Auto power off function is enabled or disabled.



- When [Show [Lets you select and download images] screen] is set for [Startup Action], the viewer window (p.13) appears.
- When [Show [Set to Camera/Remote shooting] screen] is set for [Startup Action], the camera settings/remote shooting window (p.17) appears.
- When [Execute [Starts to download images]] is set for [Startup Action], the [Save File] dialog box (p.12) appears, and downloading to your computer begins. When all images have been downloaded, DPP starts up automatically, and the downloaded images are displayed in DPP's main window.
- If you checkmark [Auto power off], the camera's Auto power off function is enabled. If you do not checkmark it, the Auto power off function remains disabled, even if you set the Auto power off function on the camera.

Destination Folder

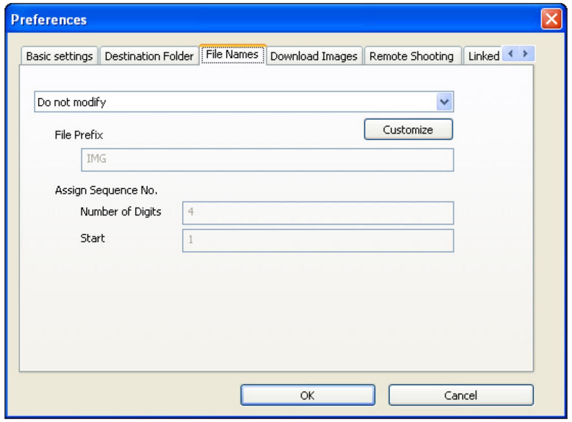
You can specify the save destination folder of images downloaded from your camera or of images shot remotely.



- To specify a save destination folder, click the [Browse] button. After you click the [Browse] button and specify a save destination folder, a subfolder is created automatically below the save destination folder you specified.
- After you checkmark any of [Download Images], [Remote Shooting], or [Monitor Folder], a subfolder is generated when the checkmarked function is used.
- You can select the naming rule for a generated subfolder from the list box.
- You can customize the naming rule for subfolders by clicking the [Customize] button.

File Names

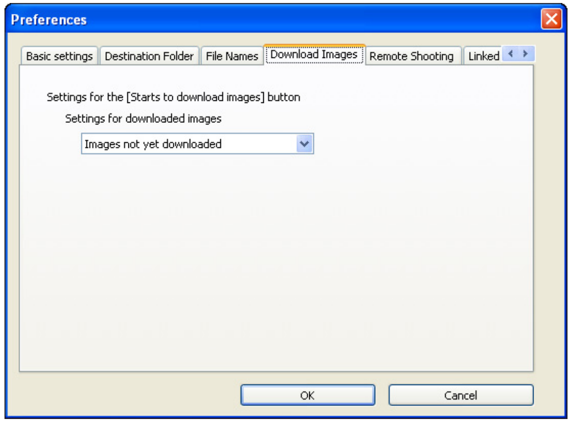
You can specify the file name of images downloaded from your camera or of images shot remotely.



- When specifying an image's file name, select a naming rule for the file from the list box. If [Do not modify] is selected, downloaded images are saved without the file name being changed from the one set in the camera.
- You can customize the naming rule for files by clicking the [Customize] button.
- You can set prefix characters, number of digits for serial numbers, and the start number individually for file names.

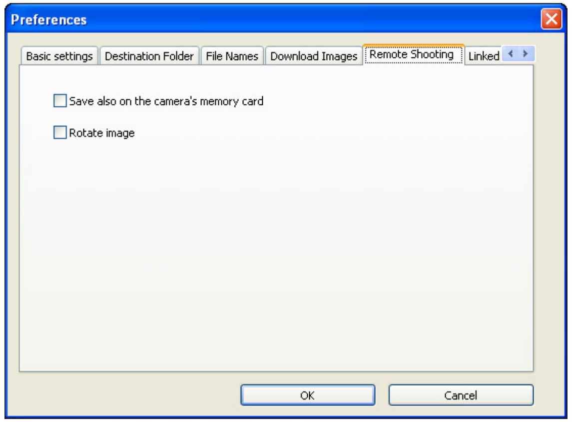
Download Images

You can set the images from the list box that are downloaded when [Starts to download images] in the main window is clicked.



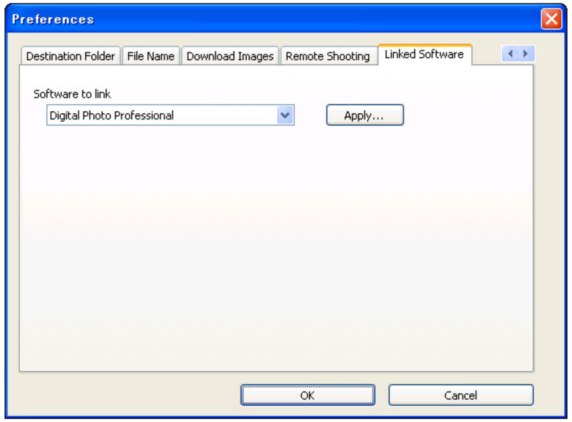
Remote Shooting

You can also save remotely shot images to the memory card inside the camera, and regardless of the camera's position at the time the shot is taken, activate the function that rotates the shot image. Set the rotation angle in the camera settings/remote shooting window (p.58).



Linked Software

You can select the linked software that starts up when images are downloaded from the camera or when images are shot remotely. Also, you can register third-party software as linked software by clicking the [Apply] button.



- When you have selected ZoomBrowser EX, you can specify the operation for after images are downloaded.
- In the window displayed when you click the [Apply] button, you can specify the type of images to be downloaded when linked third-party software is started up.

Reference



This reference section has been provided to enhance your experience using EU.
It contains various troubleshooting solutions, how to delete EU from your computer and explanations of the various windows.
An index is provided at the end of the chapter for you to easily find information you are looking for.

Troubleshooting

If EU is not operating correctly, refer to the items below.

Installation could not be completed correctly

- You cannot install the software if a user setting other than [Computer administrator] privilege or [Administrator] privilege is selected. Select the [Computer administrator] privilege user setting in Windows XP or the [Administrator] privilege user setting in Windows 2000. For detailed information on selecting the user setting, refer to your computer User's Manual.

I connected the camera to the computer before installing the software

- If you have connected the camera and your computer with the interface cable but did not set the camera's power switch to < ON >, proceed as follows:
  1. Disconnect the interface cable from the camera and computer.
  2. Install the software on your computer.
  3. Connect the camera and your computer.

- If you have connected the camera and your computer with the interface cable and have set the camera's power switch to < ON >, proceed as follows:
  1. If [Found New Hardware Wizard] or any other dialog box appears, click the [Cancel] button and cancel all the dialog boxes.
  2. Set the camera's power switch to < OFF >.
  3. Disconnect the interface cable from the camera and the computer.
  4. Install the software on your computer.
  5. Connect the camera and your computer.

EU does not start up

- If EU does not start up even when you have set the camera's power switch to < ON >, either double-click the [EOS Utility] icon on the desktop or click the [Start] button, select [All Programs] ([Programs] in Windows 2000) ▶ [Canon Utilities] ▶ [EOS Utility] ▶ [EOS Utility] to start up EU.

EU and the camera are not communicating

- EU does not operate correctly on a computer if its system requirements does not meet. Use EU on a computer with compatible system requirements (p.2).

- Push the plug of the interface cable all the way into the socket. Loose connections can cause faults and malfunctions (p.5 to p.9).

- Check that the camera's power switch is < ON > (p.10, p.11).

- EU and the camera may not communicate normally with a cable other than the EOS DIGITAL camera-dedicated Canon interface cable (p.5 to p.9).

- Connect your camera and computer directly with the interface cable provided with your camera. Do not connect the camera via a hub; doing so may prevent EU and your camera from communicating normally.

- If you connect multiple USB devices (not including the mouse or keyboard) or IEEE1394 devices to your computer, the camera may not communicate normally. If the camera cannot communicate normally, disconnect USB devices other than the mouse or keyboard or IEEE1394 devices from your computer.

- Do not connect more than one camera to the same computer. Two or more cameras may not operate normally.

- If there is insufficient charge left in the camera battery, the camera cannot communicate with EU. Either replace with a fully charged battery or use the DC coupler kit provided with the 1D series, D60 D30 or an AC adaptor kit (sold separately) for other camera models. Your computer does not supply power to the camera through the interface cable.

- For camera models other than the 30D REBELXTi 400D, turn off the LCD monitor. You cannot communicate with the camera when you are displaying images through the camera's LCD monitor. Always connect the camera and your computer after turning off the display in the LCD monitor.

Communication between EU and the camera disconnected

- Operation of the Auto power off function will automatically switch the camera off, disabling communication with EU, if you turn the Auto power off function to [ON]. Remove the checkmark from [Auto power off] in the [Basic settings] tab sheet of the preferences or set the Auto power off function in the camera to [OFF].

- If you do not perform any operation while the camera and computer are connected, depending on the computer system, a confirmation message may appear on the screen asking whether you wish to continue communicating with the camera. If you do not perform any operation after this message appears, communication with the camera is terminated. To re-establish communication, press the shutter button down halfway or set the camera's power switch to < OFF > and then back to < ON >.

- Do not put your computer to sleep while it is connected to the camera. If your computer goes into sleep mode, never disconnect the interface cable while your computer is still in sleep mode. Always wake your computer up while it is still connected to the camera. Depending on the type of computer, disconnecting the interface cable while your computer is in sleep mode could prevent the computer from waking up correctly. Refer to the computer User's Manual for more information on sleep mode.

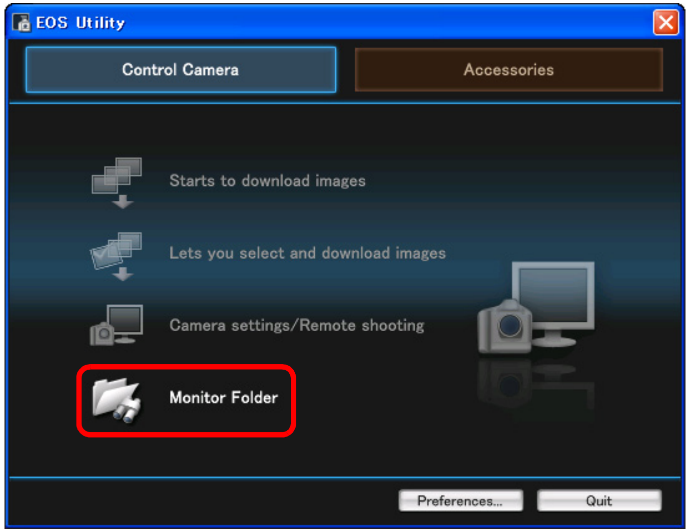
Remotely shot images using EU do not display in DPP

- In Digital Photo Professional, select the [Tools] menu ▶ [Sync folder with EOS Utility].

Monitor Folder Function (Function for Use with the WFT-E1/E1A)

This is a function for checking your images with Digital Photo Professional (hereinafter DPP) in real time using the Wireless File Transmitter WFT-E1/E1A (sold separately).
For setting the WFT-E1/E1A, refer to the Instruction Manual provided with the WFT-E1/E1A.

1 Click [Monitor Folder].



➜ The [Monitor Folder] dialog box appears.

2 Click the [Browse] button and specify the save destination folder for shot images.



- The save destination folder for the shot images set in the WFT-E1/E1A is specified.

3 Click the [Change] button and specify the transfer destination folder.



4 Click the [] button.

➜ Image transfer preparation is complete.

5 Take a shot.

➜ If images are saved in the folder specified in step 2, they are transferred/saved in the folder specified in step 3.
➜ DPP starts up and the images saved in the folder specified in step 3 are displayed.

You cannot specify the same folders in step 2 and step 3.

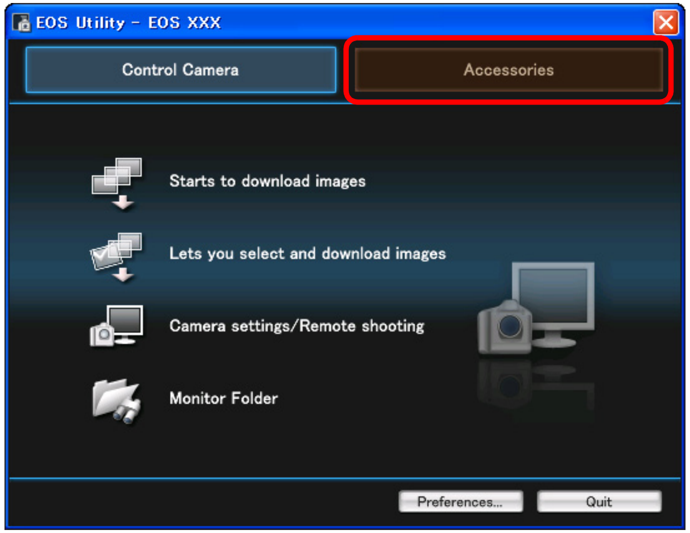
You can change the software that starts up in step 5, from DPP to ZoomBrowser EX or other software (p.48).

Function for Use with the Accessories

If you have the Wireless File Transmitter WFT-E1/E1A (sold separately) or the Original Data Security Kit OSK-E3 (sold separately), you can start up the previously mentioned accessory software from EU. And you can also start up the Picture Style Editor (Picture Style file creating software).
For details on using the software for each accessory, refer to the instruction manual for the software. For Picture Style files, refer to p.24.

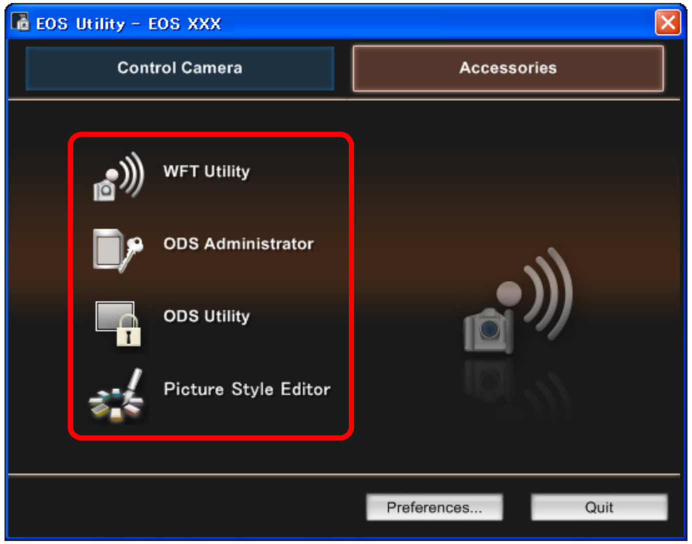
1 **Connect your camera and computer, and then start up EU** (p.5, p.9)**.**

2 **Click the [Accessories] tab.**



➜The [Accessories] tab sheet appears.

3 **Click the software you want to start up.**



➜The clicked software starts up.

Folder Structure and File Names in the Memory Card

Images shot with the camera are saved in the memory card's [DCIM] folder with the following folder structure and file names. Refer to the following when copying images to your computer using a card reader.

DCIM

xxxCANON or xxxEOS5D

Cameras other than the 1D series

File name	Image type/Camera used	
IMG_YYYY.JPG	JPEG image	
IMG_YYYY.CR2	RAW image	5D 30D 20D REBELXTi 400D REBELXT 350D
IMG_YYYY.CRW	RAW image	10D REBEL 300D D60 D30
CRW_YYYY.THM	Camera index display image	

- The "YYYY" in the file names represents a number between 0001 and 9999.

xxxEOS1D

1D series cameras

File name	Image type/Camera used	
****YYYY.JPG	JPEG image	
****YYYY.CR2	RAW image	1D Mk II N 1Ds Mk II 1D Mk II
****YYYY.TIF	RAW image	1Ds 1D
****YYYY.WAV	Audio file	

- The camera specific character string set at the time of factory shipment appears in "****" of the file name.
- The camera specific character string set at the time of factory shipment or set in the camera appears in "****" of the images shot with the 1D Mk II N .
- The "YYYY" in the file names represents a number between 0001 and 9999.

CANONMSC

Contains a file allowing the camera to manage the images in the [DCIM] folder.

- The "xxx" in the folder names represents a number between 100 and 999.
- The folder structure for the 1D Mk II N 1Ds Mk II 1D Mk II CF card and the SD card is the same.
- When you perform DPOF settings on the camera, a [MISC] folder is created. The files that manage the DPOF settings are saved in the [MISC] folder.

When Adobe RGB is specified, the file names of images shot with the 1D Mk II N 1Ds Mk II 1D Mk II 5D 30D 20D REBELXT 350D have an underscore "_" as the first character.

Uninstalling the Software

- Before starting the software uninstallation, exit all programs you are using.
- Log in under the Computer administrator/Administrator privileges when uninstalling the software.
- To prevent computer malfunctions, always restart your computer after you have uninstalled the software. Also, reinstalling the software without first restarting your computer is likely to result in computer malfunctions.

1 Click the [Start] button, select [All Programs] ([Programs] in Windows 2000) ▶ [Canon Utilities] ▶ [EOS Utility] ▶ [EOS Utility Uninstall].

2 Proceed with the uninstallation as directed by the on-screen messages.

➜The software is uninstalled.

Deleting the Driver

This section explains how to delete the driver for the 1D Mk II N 1Ds Mk II 5D 30D 20D REBELXTi 400D REBELXT 350D .

If you are using the 30D or REBELXTi 400D in Windows XP, it is not necessary to delete the driver as explained on this page because the OS driver is used.

For deleting the driver for the 10D REBEL 300D D60 or D30 , refer to the Software Instruction Manual provided with the camera.

- Log in under the Computer administrator/Administrator privileges when deleting the driver.
- Before starting the driver deletion, exit all programs you are using and disconnect the dedicated cable from your computer.

1 Delete [EOS XXX WIA Driver] or [EOS XXX TWAIN Driver].

- Your camera model is displayed in EOS XXX.
- For Windows XP, click the [Start] button ▶ select [All Programs] ▶ [Canon Utilities] ▶ [EOS XXX WIA Driver] ▶ [WIA Driver Uninstall].
- For Windows 2000, click the [Start] button ▶ select [Programs] ▶ [Canon Utilities] ▶ [EOS XXX TWAIN Driver] ▶ [TWAIN Driver Uninstall].

2 Proceed with the deletion as directed by the on-screen messages.

➜The driver is deleted.

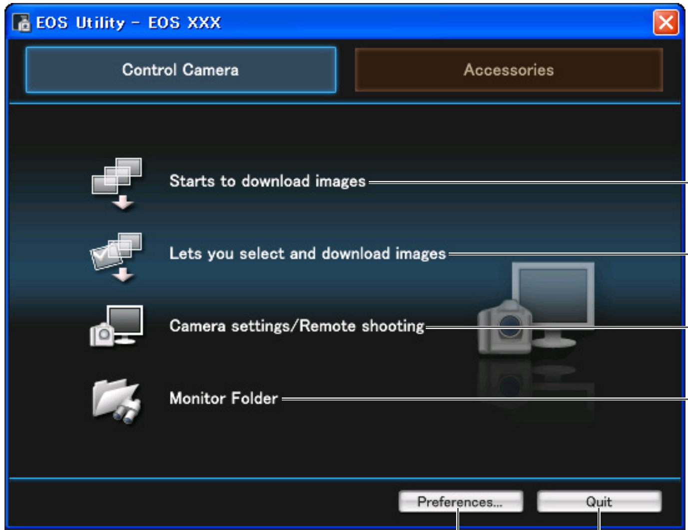
3 Restart the computer.

- When the restart dialog box is displayed on your computer, select [Yes, I want to restart my computer now] and click the [Finish] button.

➜When the computer is restarted, deletion of the driver is completed.

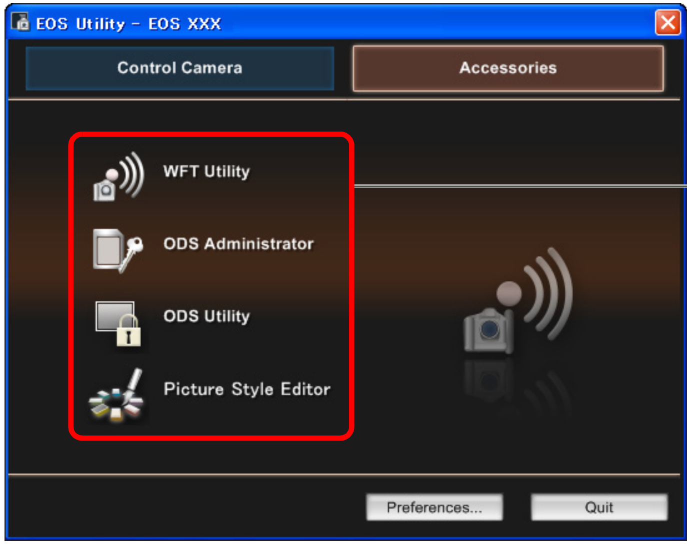
List of Main Window Functions

Control camera tab sheet



Starts to download images (p.12)
Lets you select and download images (p.13, p.57)
Camera settings/Remote shooting (p.42, p.58)
Monitor Folder (p.52)
Preferences... (p.46)
Quit: Exits EU (p.15)

Accessories tab sheet



(p.53)

Introduction
Contents at a Glance
1 Downloading Images
2 Camera Settings
3 Remote Shooting
4 Preferences
Reference
Index

List of Viewer Window Functions

Downloads the images to the computer

Image display size

Selects the folder of the image displayed in the window

Selects the condition of the image displayed

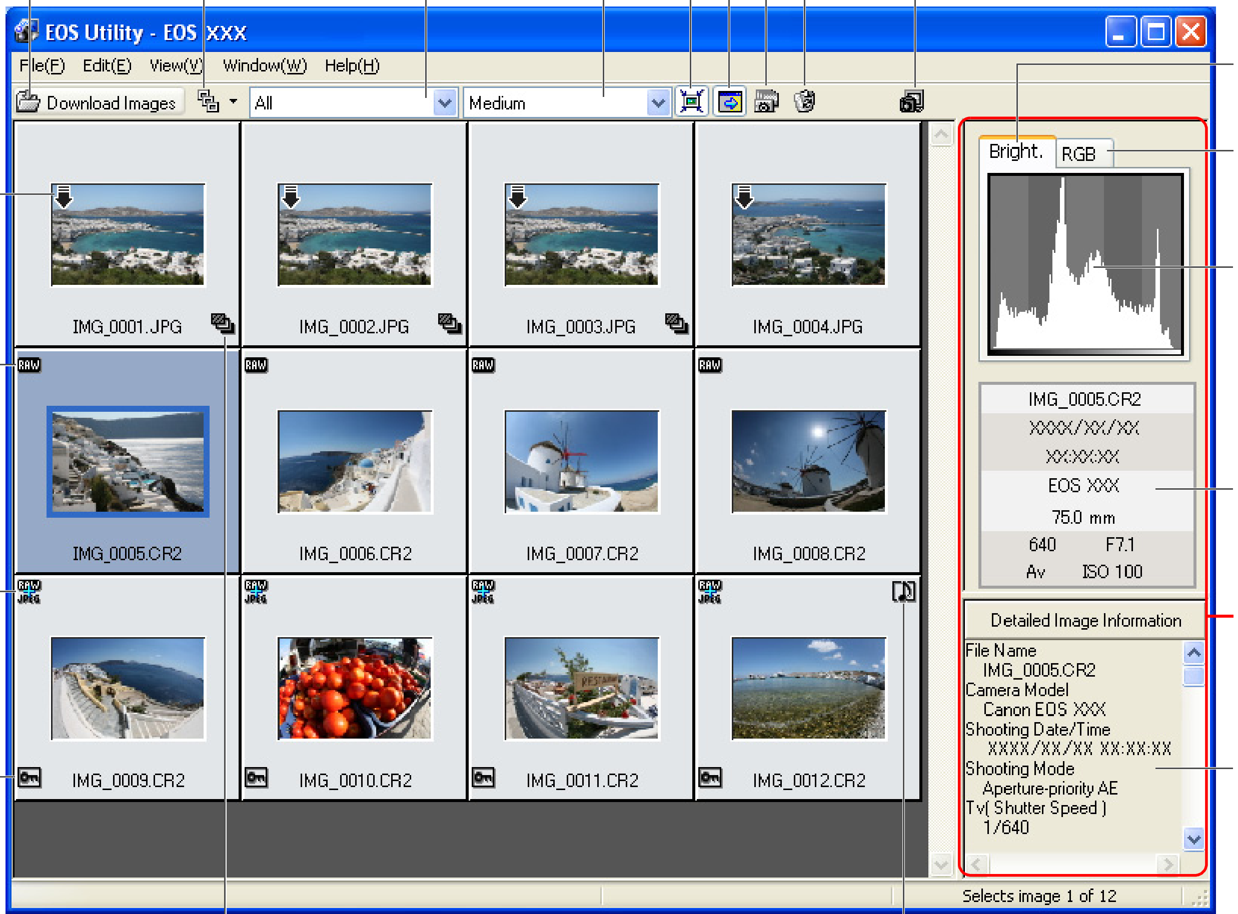
Shows/hides the image frame

Shows/hides the image information display area

Starts up the linked software

Deletes the image

Switches between the camera settings/ remote shooting window



Images already transferred to computer icon

RAW image icon

RAW + JPEG image icon

Protect icon

Bracketing icon

Audio recording icon

[Bright.] (Brightness) histogram display

[RGB] histogram display

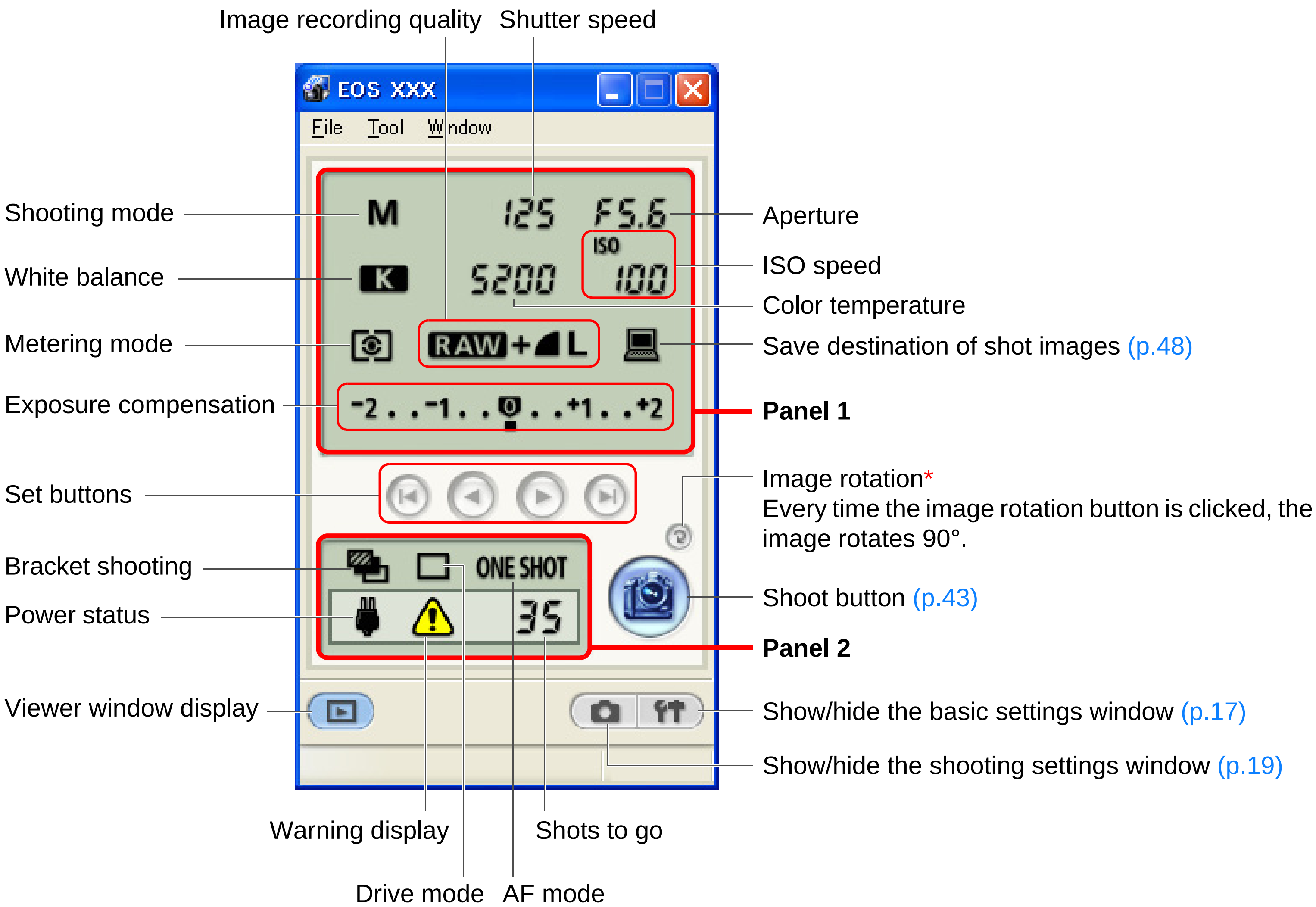
Histogram (brightness distribution) display

Basic image information display

Image information display area

Detailed shooting information display

List of Camera Settings/Remote Shooting Window Functions



Panel 1: Camera setting can be checked and changed
Panel 2: Camera settings can be checked

*To enable this function, checkmark [Rotate image] in the [Remote Shooting] tab sheet (p.48) of the preferences.

Index

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- The software screens and displays printed in this Instruction Manual may differ slightly from the actual software.
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